Digital Transformation in Supply Chain and Procurement Training Course



20 - 24 Dec 2026

Amman

3800 € (Per Person)

Ref: #PSC8773_234861

Course Introduction / Overview:

The contemporary business landscape is defined by rapid technological advancement, compelling organizations to rethink their operational frameworks from the ground up. This is particularly true for supply chain and procurement, functions that are evolving from cost centers into strategic value drivers. This intensive training course is designed to navigate the complexities of this evolution, providing a comprehensive roadmap for implementing digital transformation. As the renowned academic Martin Christopher articulated in his works, modern competition is not between companies but between their supply chains. This course builds on that premise, exploring how technologies like AI, IoT, and blockchain are not just tools but enablers of resilient, agile, and transparent supply networks. Participants will delve into practical strategies for integrating these innovations, moving beyond theoretical concepts to actionable implementation plans. BIG BEN Training Center has meticulously structured this program to cover the entire digital journey, from initial strategy formulation and technology assessment to change management and performance measurement, ensuring attendees are equipped to lead their organizations toward a future-proofed operational model. This course is your guide to mastering the principles of Supply Chain 4.0 and creating a competitive advantage through digital excellence.

Target Audience / This training course is suitable for:

- Supply Chain Managers and Directors.
- Procurement and Sourcing Professionals.
- Logistics and Operations Managers.
- IT Managers involved in SCM and ERP systems.
- Operations Analysts and Business Process Improvement Specialists.
- Finance Managers overseeing procurement spend.
- Project Managers leading digital transformation initiatives.
- Consultants specializing in supply chain and procurement.

Target Sectors and Industries:

- Manufacturing and Industrial Production.
- Retail and Consumer Goods.
- Logistics, Warehousing, and Transportation.
- Healthcare and Pharmaceuticals.
- Technology and Telecommunications.
- Energy and Utilities.
- Governmental bodies and public sector procurement agencies.
- Construction and Engineering.

Target Organizations Departments:

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

Course Offerings:

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

- Develop a strategic roadmap for digital transformation in supply chain and procurement.
- Analyze the impact of key technologies like AI, IoT, and blockchain on supply chain operations.
- Implement procurement automation and e-procurement systems effectively.
- Enhance supply chain visibility and resilience through digital control towers.
- Utilize big data analytics for predictive demand forecasting and inventory optimization.
- Evaluate and select appropriate digital tools for source-to-pay (S2P) processes.
- Lead change management initiatives to ensure successful technology adoption.
- Measure the ROI of digital transformation projects using relevant KPIs.
- Integrate sustainability and circular economy principles into a digital supply chain.
- Mitigate risks associated with digital supply chain vulnerabilities.

Course Methodology:

The training methodology at BIG BEN Training Center is designed to be immersive, practical, and highly interactive, ensuring that participants not only learn the theory but also understand its real-world application. We move beyond traditional lectures to create a dynamic learning environment that fosters collaboration and critical thinking. The course heavily relies on case studies from various industries, allowing participants to analyze successful digital transformation projects and learn from the challenges others have faced. Group discussions and workshops are integral, providing a platform for attendees to share experiences, brainstorm solutions, and apply concepts to scenarios relevant to their own organizations. Practical exercises will focus on developing key skills such as creating a digital roadmap, evaluating technology vendors, and using data analytics for decision-making. Our expert instructors facilitate these sessions, providing personalized feedback and guiding participants through complex topics. This experiential learning approach ensures that attendees leave the course with tangible skills and a clear, actionable plan to drive digital innovation within their supply chain and procurement functions.

Course Agenda (Course Units):

Unit One: Foundations of Digital Transformation in Supply Chain

- The Evolution to Supply Chain 4.0.
- Defining Digital Transformation for Procurement and Supply Chain.
- Core Pillars of a Digital Supply Chain Strategy.
- Assessing Digital Maturity and Identifying Gaps.
- The Strategic Role of Data in Modern Supply Chains.
- Understanding the Interconnectivity of Digital Ecosystems.
- Change Management Principles for Digital Adoption.

Unit Two: Key Enabling Technologies

- Artificial Intelligence (AI) and Machine Learning (ML) in Forecasting.
- Internet of Things (IoT) for Real-Time Asset Tracking and Visibility.
- Blockchain for Enhanced Transparency and Traceability.
- Robotic Process Automation (RPA) for Procurement Tasks.
- Big Data Analytics for Spend Analysis and Optimization.
- Cloud Computing for Scalable SCM Platforms.
- Digital Twins for Supply Chain Simulation and Modeling.

Unit Three: The Digital Procurement Revolution

- Transitioning from Traditional to E-Procurement.
- Automating the Procure-to-Pay (P2P) Cycle.
- Strategic Sourcing with Digital Tools and Platforms.
- Digital Supplier Relationship Management (SRM).
- Implementing Smart Contracts for Automated Compliance.
- Advanced Spend Analytics and Cost Reduction Strategies.
- Ethical Considerations in AI-driven Procurement.

Unit Four: Architecting the Digital Supply Chain

- Designing a Resilient and Agile Supply Network.
- Implementing Digital Control Towers for End-to-End Visibility.
- Smart Warehouse Management and Automation.
- Optimizing Last-Mile Delivery with Technology.
- Predictive Analytics for Inventory and Logistics Management.
- Integrating Sustainability through Digital Solutions.
- Cybersecurity and Risk Management in the Digital Supply Chain.

Unit Five: Strategy, Implementation, and Future Outlook

- Building a Business Case and Roadmap for Digital Transformation.
- Selecting and Managing Technology Partners.
- Key Performance Indicators (KPIs) for Measuring Digital Success.
- Fostering a Culture of Continuous Innovation.
- The Future of Work in Procurement and Supply Chain.
- Exploring the Circular Economy and Green Procurement.
- Final Project: Developing a Mini-Digital Transformation Plan.

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 supply chains become increasingly automated and data-driven, what is the evolving role of human intuition and ethical oversight in procurement and logistics decision-making?

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

This training course distinguishes itself by offering a holistic and strategic perspective that bridges the often-siloed functions of procurement and supply chain management. While many programs focus narrowly on specific technologies, our curriculum emphasizes the integration of these tools into a cohesive digital strategy, ensuring that technology serves business objectives, not the other way around. We prioritize the "how" and "why" over just the "what," dedicating significant time to implementation roadmaps, change management, and measuring return on investment. The course content is built around real-world case studies and practical, hands-on exercises that move beyond theory to build tangible skills. Participants will not just learn about AI or blockchain; they will learn how to build a business case for them and navigate the organizational challenges of their adoption. Furthermore, the course incorporates forward-looking topics such as sustainability, the circular economy, and the ethical implications of automation, preparing professionals not just for today's challenges but for the future landscape of global supply networks. This strategic, implementation-focused approach ensures participants leave with actionable knowledge to drive meaningful transformation.