DIGITAL PROCUREMENT, E-PROCUREMENT AND SUPPLY CHAIN TRANSFORMATION COURSE

Introduction

This Course equips procurement and supply chain professionals with the knowledge and practical understanding required to lead technology-enabled transformation of procurement operations. Digital technologies are changing how organizations identify suppliers, conduct sourcing, manage tenders, analyze expenditure, administer contracts, monitor supplier performance and make procurement decisions. The course explores the transition from traditional procurement processes to integrated digital procurement ecosystems. Participants examine e-procurement platforms, e-sourcing, electronic tendering, supplier portals, digital contract management, procurement analytics, workflow automation and emerging applications of artificial intelligence. The course also addresses an important challenge in digital transformation: technology alone does not transform procurement. Participants therefore examine procurement process redesign, data governance, change management, user adoption, cybersecurity and digital transformation governance.

Course Objectives

- Understand emerging digital procurement technologies.
- Assess organizational digital procurement maturity.
- Develop digital procurement transformation strategies.
- Understand e-procurement and e-sourcing systems.
- Apply digital technologies to tender and supplier management.
- Use procurement data analytics for decision-making.
- Identify opportunities for procurement automation.
- Understand emerging applications of AI in procurement.
- Manage cybersecurity and data risks associated with digital procurement.
- Develop practical digital procurement implementation roadmaps.

Course Modules

> Module 1: Digital Procurement Transformation
- Evolution of digital procurement
- Digital procurement maturity
- Digital procurement operating models
- Building the case for transformation

> Module 2: E-Procurement Systems
- E-procurement architecture
- Electronic requisition and approval
- Purchase-to-pay processes
- E-procurement controls and compliance

> Module 3: E-Sourcing and Electronic Tendering
- Electronic sourcing platforms
- Digital RFQs, RFPs and tenders
- Electronic bid evaluation
- Digital sourcing workflows

> Module 4: Digital Supplier Management
- Electronic supplier registration
- Supplier onboarding
- Supplier portals
- Digital supplier performance management

> Module 5: Procurement Data and Spend Analytics
- Procurement data sources
- Spend classification
- Spend analytics
- Procurement dashboards

> Module 6: Procurement Automation
- Procurement process automation
- Workflow automation
- Robotic process automation
- Identifying automation opportunities

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> Module 7: Artificial Intelligence in Procurement
- AI applications in procurement
- Intelligent sourcing
- Supplier intelligence
- AI-assisted procurement decision-making

> Module 8: Digital Contract Management
- Contract lifecycle management systems
- Digital contract repositories
- Contract alerts and workflow management
- Contract performance analytics

> Module 9: Digital Procurement Risk and Cybersecurity
- Procurement cybersecurity risks
- Supplier technology risks
- Procurement data protection
- Digital procurement controls

> Module 10: Leading Digital Procurement Transformation
- Developing transformation roadmaps
- Change management and user adoption
- Digital procurement KPIs
- Continuous digital innovation

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