Business Process Modeling (BPMN) in ERP Training Course

Professional Development Training Course Outline

Category	Enterprise Resource Planning (ERP)	**Duration**	10 Days
Base Fee	$3,000 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

Business Process Modeling (BPMN) in ERP Training Course is designed to provide professionals with the essential skills to map, analyze, and optimize business processes within ERP systems. BPMN (Business Process Model and Notation) is an internationally recognized standard that helps organizations streamline operations, improve decision-making, and drive efficiency. This training equips learners with the knowledge to integrate BPMN effectively into Enterprise Resource Planning (ERP) systems, enabling better process automation, monitoring, and compliance. As businesses embrace digital transformation, understanding BPMN in the context of ERP systems is crucial for ensuring seamless workflow integration across departments, minimizing bottlenecks, and optimizing performance.

By completing this course, participants will gain hands-on experience in applying BPMN for business process improvement, modeling workflows, and understanding the role of ERP systems in enhancing operational efficiency. The training focuses on real-world applications, using industry-standard tools and methodologies, ensuring that learners can immediately apply their knowledge to improve their organization's business processes. This course is ideal for professionals working in IT management, business analysis, and project management who aim to leverage BPMN and ERP for enhanced business outcomes and long-term growth.

Programme Curriculum

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10 days

Course Objectives

1. Understand the core principles of Business Process Modeling and BPMN.
2. Learn how to integrate BPMN with ERP systems for improved business operations.
3. Develop proficiency in business process mapping and workflow automation.
4. Explore the role of data flow and information exchange in ERP-driven processes.
5. Master BPMN diagrams and their relevance to complex business operations.
6. Understand the significance of ERP integration and how it enhances decision-making.
7. Identify and analyze business process inefficiencies for optimization.
8. Learn to use BPMN tools to create, model, and test business processes.
9. Analyze real-time data to improve business workflows within ERP systems.
10. Develop skills to create comprehensive process documentation.
11. Implement business rule modeling and process governance in ERP.
12. Understand the impact of cloud ERP systems on BPMN and business process management.
13. Gain knowledge of BPMN 2.0 standards and how they support business transformation.

Target Audience

1. Business Analysts.
2. IT professionals.
3. ERP Consultants.
4. Project Managers.
5. Process Improvement Managers.
6. System Architects.
7. Operations Managers.
8. Software Developers.

Course Modules

Module 1: Introduction to BPMN and ERP

- Overview of Business Process Modeling
- BPMN and other process modeling standards

- Case Study: Importance of BPMN in ERP
- Key concepts in BPMN
- Introduction to ERP Systems

Module 2: BPMN Diagram Fundamentals

- Structure and components of BPMN diagrams
- Flow objects and connecting objects
- Modeling business processes with BPMN
- Best practices for BPMN diagramming
- Case Study: Mapping a simple ERP workflow

Module 3: BPMN Elements and Symbols

- Detailed analysis of BPMN elements
- Types of events in BPMN
- Types of tasks and subprocesses
- Gateways and decision points in business process models
- Case Study: Mapping a complex approval process

Module 4: Process Mapping in ERP Systems

- Identifying key processes in ERP implementation
- Integrating BPMN with ERP systems
- Process mapping techniques for ERP systems
- Best practices for capturing process requirements
- Case Study: ERP system implementation in supply chain management

Module 5: Workflow Automation in BPMN and ERP

- Automating business processes using BPMN
- How BPMN supports ERP process automation
- Tools for automating BPMN workflows
- Managing workflow exceptions in ERP systems
- Case Study: Automating order-to-cash process

Module 6: Process Optimization with BPMN

- Identifying process inefficiencies in ERP systems
- Using BPMN to improve process flows
- Techniques for process optimization
- Modeling alternative process scenarios
- Case Study: Optimizing an inventory management process

Module 7: Advanced BPMN Features and Techniques

- Advanced BPMN elements
- Error handling and exception management in BPMN
- Using BPMN for complex workflows in ERP
- Modeling parallel processes and multi-instance tasks
- Case Study: Managing multi-step procurement processes

Module 8: ERP Integration with BPMN

- Key principles of ERP system integration with BPMN
- Understanding ERP data models and BPMN flows
- How BPMN enhances ERP customization and integration
- Managing real-time data flow in ERP
- Case Study: ERP integration in manufacturing processes

Module 9: Process Documentation and Reporting

- Importance of documentation in BPMN and ERP projects
- Creating process flowcharts and reports
- Process versioning and change management
- Tools for documenting business processes
- Case Study: Documenting an HR onboarding process

Module 10: Business Rules and Process Governance

- Introduction to business rule management in BPMN
- Defining business rules for ERP processes
- Governance in business process modeling
- Role of BPMN in regulatory compliance
- Case Study: Modeling regulatory compliance in finance processes

Module 11: Cloud ERP and BPMN

- The impact of cloud ERP on business processes
- BPMN modeling in cloud-based ERP systems
- Integrating cloud-based BPMN tools with ERP
- Benefits of cloud ERP in process management
- Case Study: Cloud-based ERP in customer relationship management

Module 12: Business Process Simulation with BPMN

- The concept of BPMN process simulation
- Using BPMN tools for process testing
- Simulating business scenarios and outcomes
- Benefits of simulation in ERP process optimization
- Case Study: Simulating the order fulfillment process

Module 13: Real-Time Monitoring with BPMN and ERP

- Real-time process monitoring in ERP systems
- Using BPMN to track and optimize workflows
- Integration of BPMN with ERP reporting tools
- Metrics and KPIs for monitoring process performance
- Case Study: Monitoring a sales order pipeline in ERP

Module 14: BPMN for Continuous Improvement

- Leveraging BPMN for ongoing process improvement
- Building a culture of continuous improvement using BPMN

- Measuring the success of BPMN implementations in ERP
- Key performance indicators (KPIs) for BPMN success
- Case Study: Continuous improvement in supply chain management

Module 15: Final Project and Evaluation

- Applying BPMN concepts to an ERP system
- Design and presentation of a BPMN model
- Peer review and feedback session
- Evaluation of the final project
- Case Study: Final project overview with real-world business scenarios

Training Methodology

This course employs a participatory and hands-on approach to ensure practical learning, including:

- Interactive lectures and presentations.
- Group discussions and brainstorming sessions.
- Hands-on exercises using real-world datasets.
- Role-playing and scenario-based simulations.
- Analysis of case studies to bridge theory and practice.
- Peer-to-peer learning and networking.
- Expert-led Q&A sessions.
- Continuous feedback and personalized guidance.

Register as a group from 3 participants for a Discount

Send us an email: info@fineskilltrainingcenter.org or call +254769199797

Certification

Upon successful completion of this training, participants will be issued with a globally- recognized certificate.

Tailor-Made Course

We also offer tailor-made courses based on your needs.

Key Notes

a. The participant must be conversant with English.

b. Upon completion of training the participant will be issued with an Authorized Training Certificate

c. Course duration is flexible and the contents can be modified to fit any number of days.

d. The course fee includes facilitation training materials, 2 coffee breaks, buffet lunch and A Certificate upon successful completion of Training.

e. One-year post-training support Consultation and Coaching provided after the course.

f. Payment should be done at least a week before commence of the training, to Fineskill Training Center account, as indicated in the invoice so as to enable us prepare better for you.

Upcoming Scheduled Sessions

Start Date	End Date	Location	Price
23 Nov 2026	04 Dec 2026	Online	$2,000
23 Nov 2026	04 Dec 2026	Physical	$3,000
23 Nov 2026	04 Dec 2026	Physical	$6,000
23 Nov 2026	04 Dec 2026	Physical	$6,000
23 Nov 2026	04 Dec 2026	Physical	$12,000
23 Nov 2026	04 Dec 2026	Physical	$9,000
23 Nov 2026	04 Dec 2026	Physical	$12,000
23 Nov 2026	04 Dec 2026	Physical	$12,000

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