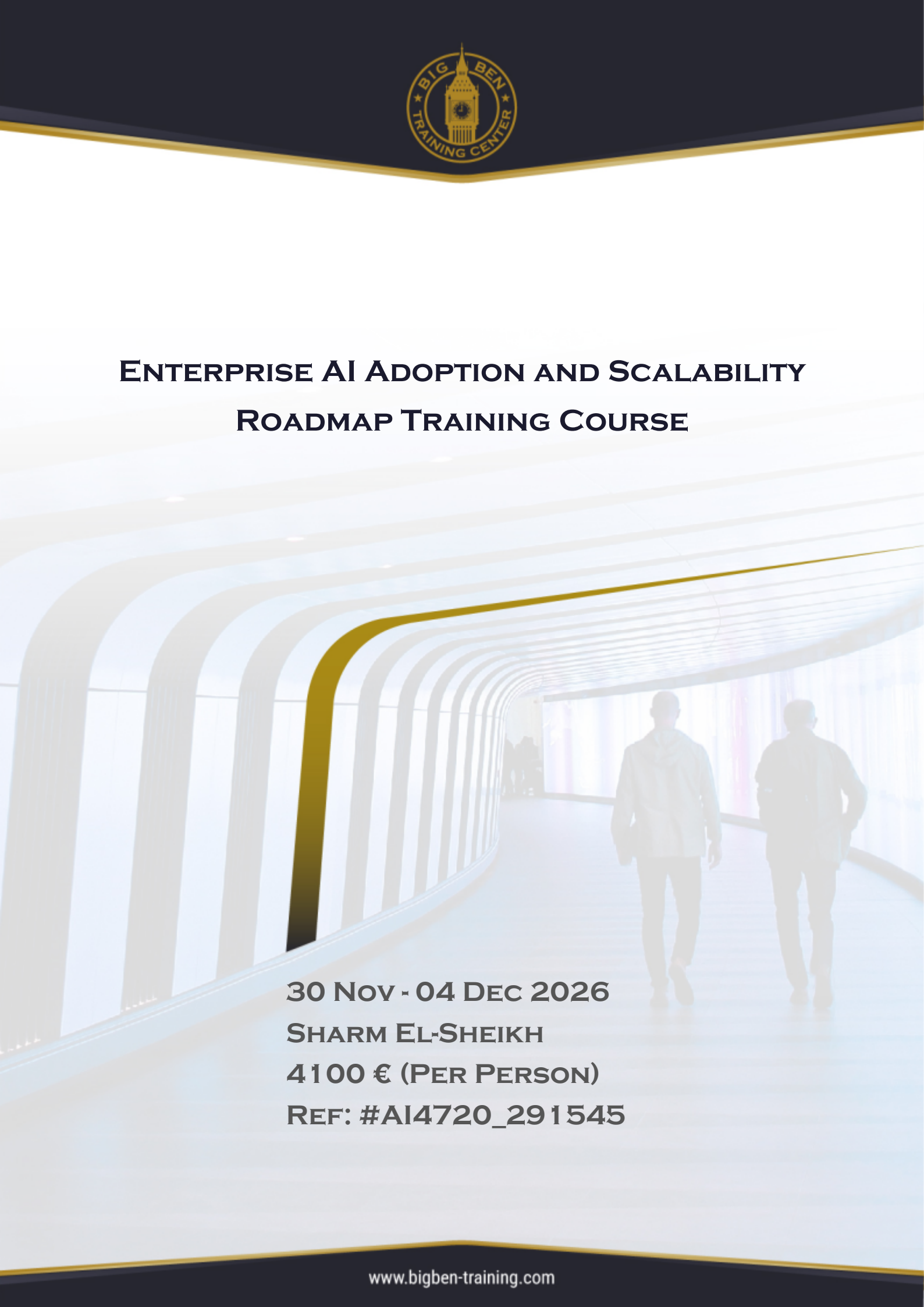
Enterprise AI Adoption and Scalability Roadmap Training Course



30 Nov - 04 Dec 2026

Sharm El-Sheikh

4100 € (Per Person)

Ref: #AI4720_291545

Course Introduction / Overview:

This training course provides a comprehensive, strategic framework for successfully integrating and scaling Artificial Intelligence within an enterprise. In an era where AI is not just a technological advantage but a competitive necessity, organizations face the dual challenge of adoption and scalability. This program is designed to transform that challenge into a strategic opportunity. Drawing on principles from thought leaders like Thomas H. Davenport, author of "The AI Advantage," we move beyond the technical hype to focus on creating a practical, value-driven AI roadmap. Participants will learn to navigate the complexities of AI implementation, from initial readiness assessments and use case prioritization to building a robust, scalable infrastructure and fostering an AI-ready culture. At BIG BEN Training Center, we have crafted this curriculum to address the entire AI lifecycle, ensuring that your organization not only launches AI initiatives but also sustains them for long-term growth and innovation. This course equips leaders with the strategic foresight to align AI with core business objectives, manage risks, and measure tangible return on investment, ensuring a successful and sustainable enterprise AI transformation.

Target Audience / This training course is suitable for:

- Chief Information Officers (CIOs) and Chief Technology Officers (CTOs).
- IT Directors and Managers.
- Business Strategists and Corporate Planners.
- Heads of Innovation and Digital Transformation.
- Product Managers and Project Managers.
- Data Science and Analytics Leaders.
- Operations and Business Unit Managers.
- Enterprise Architects.

Target Sectors and Industries:

- Financial Services and Banking.
- Healthcare and Life Sciences.
- Retail and E-commerce.
- Manufacturing and Supply Chain.
- Telecommunications and Technology.
- Energy and Utilities.
- Government Agencies and Public Sector Organizations.
- Consulting and Professional Services.

Target Organizations Departments:

- Information Technology (IT).
- Strategy and Corporate Development.
- Research and Development (R&D).
- Operations and Production.
- Marketing and Sales.
- Finance and a.
- Human Resources.
- Innovation and Transformation Offices.

Course Offerings:

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

- Develop a comprehensive enterprise AI strategy aligned with business goals.
- Conduct an organizational AI readiness assessment to identify gaps and opportunities.
- Prioritize high-impact AI use cases with clear business value.
- Design a strategic roadmap for phased AI adoption and implementation.
- Architect a scalable and secure data and technology infrastructure for AI.
- Establish robust AI governance, risk management, and ethical frameworks.
- Lead change management initiatives to foster an AI-driven culture.
- Define key performance indicators (KPIs) to measure AI ROI and impact.
- Create a plan for scaling successful AI pilots across the enterprise.
- Formulate a strategy for building and retaining AI talent.

Course Methodology:

The training methodology at BIG BEN Training Center is designed to be highly interactive, practical, and collaborative, ensuring participants can translate theory into actionable strategy. We employ an experiential learning approach that moves beyond traditional lectures. The course is built around a series of real-world case studies, allowing participants to analyze successful and unsuccessful AI adoption journeys from various industries. A significant portion of the training is dedicated to hands-on workshops where attendees will work in groups to draft components of an AI roadmap for a hypothetical enterprise. These sessions facilitate peer-to-peer learning and the exchange of diverse perspectives. Interactive discussions, expert-led Q&A sessions, and practical exercises are integrated throughout the five days to reinforce key concepts. Participants will receive continuous feedback from the instructor and their peers, culminating in the development of a strategic action plan they can adapt for their own organizations. This immersive and engaging methodology ensures a deep understanding of how to lead an enterprise-wide AI transformation effectively.

Course Agenda (Course Units):

Unit One: Foundations of Enterprise AI Strategy

- Defining Enterprise AI and its strategic importance.
- Aligning AI initiatives with overarching business objectives.
- Understanding the AI maturity model and assessing your organization's position.
- Exploring different AI technologies (ML, NLP, Computer Vision) and their business applications.
- The competitive landscape and the strategic value of an AI-first culture.
- Common pitfalls in AI adoption and how to avoid them.
- Introduction to the Enterprise AI Roadmap framework.

Unit Two: Building the AI Adoption Roadmap

- Conducting a comprehensive AI readiness assessment (Data, People, Process, Technology).
- Identifying and prioritizing high-impact AI use cases using a value-effort matrix.
- Developing a compelling business case for AI investment.
- Creating a phased implementation plan from pilot projects to full-scale deployment.
- Defining clear roles and responsibilities for the AI journey.
- Stakeholder analysis and communication planning for buy-in.
- Setting realistic timelines, budgets, and resource allocation.

Unit Three: Technology and Data Infrastructure for Scalable AI

- Architecting a modern data platform to support AI initiatives.
- Evaluating build vs. buy decisions for AI tools and platforms.
- Understanding the principles of MLOps for scaling machine learning models.
- Cloud, on-premise, and hybrid infrastructure considerations for AI.
- Ensuring data quality, governance, and security for reliable AI.
- Selecting the right technology stack for your organization's needs.
- Planning for technical debt and future-proofing your AI architecture.

Unit Four: Governance, Ethics, and Change Management

- Establishing an AI governance framework and an AI Center of Excellence (CoE).
- Developing principles for Responsible and Ethical AI.
- Managing data privacy, bias, and transparency in AI models.
- Navigating the regulatory and compliance landscape for AI.
- Leading the human side of AI transformation through effective change management.
- Strategies for upskilling and reskilling the workforce for an AI-enabled future.
- Fostering a culture of experimentation, data-driven decision-making, and continuous learning.

Unit Five: Measuring ROI and Driving Continuous Innovation

- Defining metrics and KPIs to measure the business impact of AI.
- Techniques for calculating and communicating the ROI of AI projects.
- Strategies for scaling successful AI pilot projects across the enterprise.
- Building a continuous feedback loop for model improvement and iteration.
- Monitoring AI model performance and managing model drift.
- Exploring future trends in AI and their potential impact on your strategy.
- Final project: Presenting a capstone Enterprise AI Strategic Roadmap.

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:

How can an organization balance the drive for rapid AI innovation with the critical need for robust ethical guardrails and long-term responsible AI practices?

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

This course distinguishes itself by adopting a holistic, socio-technical perspective on AI adoption, moving beyond a purely technological focus. While many programs concentrate on the mechanics of AI algorithms and tools, our curriculum is built around the strategic integration of AI into the core fabric of the enterprise. We emphasize the critical interplay between technology, people, processes, and governance, which is essential for sustainable success. The core of the course is the development of a practical, actionable roadmap, not just the acquisition of theoretical knowledge. Participants engage in hands-on workshops to build out components of a strategy they can immediately apply within their own organizations. Furthermore, we dedicate significant attention to the often-overlooked aspects of change management, ethical considerations, and fostering an AI-ready culture. This ensures that leaders are equipped not only to implement AI solutions but also to lead their teams through the profound transformation that AI necessitates, ultimately driving measurable business value and long-term competitive advantage.