# Agile Project Management for Business Intelligence Training Course



18 - 22 Oct 2026

Doha

5500 € (Per Person)

Ref: #BUI7303_220432

## Course Introduction / Overview:

This course provides a comprehensive framework for managing Business Intelligence projects using Agile methodologies. In today's data-driven landscape, traditional waterfall project management often fails to deliver timely and relevant insights. This program bridges that gap by integrating the flexibility and iterative nature of Agile with the complexities of BI and data analytics projects. We will explore how to deliver business value faster, adapt to changing requirements, and foster collaboration between technical teams and business stakeholders. As discussed by Ken Collier in his seminal work, "Agile Analytics: A Value-Driven Approach to Business Intelligence and Data Warehousing," the focus shifts from lengthy development cycles to delivering incremental value through well-managed sprints. Participants will learn practical techniques for scoping, planning, executing, and delivering BI solutions like dashboards, reports, and data warehouses in an agile environment. BIG BEN Training Center has designed this course to equip professionals with the skills to overcome common challenges in BI development, ensuring projects are not only completed on time and within budget but also align perfectly with strategic business objectives for enhanced data-driven decision making.

## Target Audience / This training course is suitable for:

- Project Managers and Program Managers.
- Business Intelligence Professionals and Developers.
- Data Analysts and Data Scientists.
- IT Managers and Team Leads.
- Scrum Masters and Agile Coaches.
- Product Owners and Business Stakeholders involved in data projects.
- Project Management Office (PMO) staff.
- Consultants working on BI and data warehousing implementations.

## Target Sectors and Industries:

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

## Target Organizations Departments:

- Information Technology (IT).
- Business Intelligence and Analytics.
- Data Management and Warehousing.
- Project Management Office (PMO).
- Finance and Accounting.
- Marketing and Sales.
- Operations and Supply Chain.
- Strategic Planning.

## Course Offerings:

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

- Apply Agile principles and values specifically to the Business Intelligence project lifecycle.
- Implement Scrum and Kanban frameworks for managing data warehousing and analytics projects.
- Develop effective user stories and acceptance criteria for data-centric requirements.
- Create and manage a BI product backlog, prioritizing features for maximum business value.
- Plan and execute sprints for iterative development of BI solutions, including ETL and data visualization.
- Facilitate key Agile ceremonies such as sprint planning, daily stand-ups, sprint reviews, and retrospectives.
- Identify and mitigate risks unique to Agile BI projects, including data quality and governance challenges.
- Measure project progress and success using relevant Agile BI metrics and KPIs.
- Foster a collaborative environment between business stakeholders and technical development teams.
- Develop a strategic BI roadmap that aligns with organizational goals and delivers continuous value.

## Course Methodology:

The training methodology at BIG BEN Training Center is designed to be highly interactive, practical, and engaging, ensuring participants can immediately apply their learning. This course moves beyond theoretical lectures by immersing attendees in a simulated Agile BI project environment. We utilize a blend of expert-led instruction, real-world case study analysis, and hands-on group exercises. Participants will work in teams to practice creating BI project charters, building product backlogs, writing data-specific user stories, and conducting sprint planning sessions. Interactive workshops will cover estimation techniques and risk management strategies tailored for the unpredictable nature of data projects. Facilitated discussions and peer-to-peer feedback sessions are integral to the learning process, allowing for the exchange of diverse experiences and solutions. Our approach emphasizes learning by doing, with practical simulations that challenge participants to solve problems they would encounter in their own organizations. This immersive methodology ensures a deep understanding of how to successfully lead Agile BI initiatives from conception to delivery.

## Course Agenda (Course Units):

### Unit One: Foundations of Agile Business Intelligence

- Introduction to Business Intelligence and Analytics.
- Challenges with Traditional Waterfall Project Management in BI.
- Core Principles and Values of the Agile Manifesto.
- Contrasting Agile vs. Waterfall for Data Projects.
- The Business Case for Adopting Agile in BI.
- Understanding the Agile BI Development Lifecycle.
- Key Success Factors for an Agile BI Transformation.

### Unit Two: Agile Frameworks for BI Projects

- Deep Dive into the Scrum Framework for BI.
- Roles and Responsibilities: Product Owner, Scrum Master, and Development Team.
- Scrum Artifacts: Product Backlog, Sprint Backlog, and Increments.
- Scrum Events: Sprint Planning, Daily Scrum, Sprint Review, and Retrospective.
- Applying Kanban for Continuous Flow in Analytics and Reporting.
- Visualizing Workflow with Kanban Boards for BI Tasks.
- Implementing Scrumban: A Hybrid Approach for BI Teams.

### Unit Three: Initiating and Planning the Agile BI Project

- Crafting the BI Project Vision and Charter.
- Identifying Stakeholders and Managing Expectations.
- Building the BI Product Roadmap.
- Techniques for User Story Writing for Analytics and Data Requirements.
- Defining Acceptance Criteria for Data-Oriented Stories.
- Creating and Refining the BI Product Backlog.
- Prioritization Techniques for the BI Backlog (e.g., MoSCoW, Value vs. Effort).

## Unit Four: Agile Execution and Delivery in BI

- Sprint Planning: From Backlog Item to Sprint Goal.
- Agile Estimation Techniques for BI Projects (Story Points, Planning Poker).
- Managing the Sprint: Daily Stand-ups and Progress Tracking.
- Agile Data Modeling and Database Refactoring.
- Iterative ETL/ELT Development and Data Integration.
- Developing Data Visualizations and Dashboards in Sprints.
- The Definition of Done in a BI Context.

## Unit Five: Advanced Topics and Continuous Improvement

- Managing Technical Debt in BI and Data Warehouse Environments.
- Integrating Data Governance and Quality into Agile Processes.
- Agile BI Metrics: Measuring Performance and Value Delivery.
- Conducting Effective Sprint Reviews with Business Stakeholders.
- The Role of the Retrospective in Fostering Continuous Improvement.
- Scaling Agile for Large and Complex BI Programs.
- Building a Data-Driven Culture through Agile Practices.

# 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 need for robust data governance and architectural consistency with the speed and flexibility promised by Agile methodologies in BI projects?

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

This course distinguishes itself by moving beyond generic Agile training and focusing exclusively on the unique challenges and opportunities within Business Intelligence and data analytics projects. Unlike other programs that may teach Scrum or Kanban in isolation, this curriculum is meticulously designed to address the specific complexities of data-centric work, such as evolving data sources, complex data modeling, and the critical need for data quality and governance. We emphasize practical application over abstract theory, teaching participants not just what Agile BI is, but how to implement it effectively. The content delves into nuanced topics like writing effective user stories for a data warehouse, managing technical debt in ETL processes, and conducting sprint reviews that demonstrate tangible business insights, not just technical features. The course fosters a strategic mindset, guiding participants to build BI roadmaps that deliver incremental value and align with overarching business goals. It provides a holistic framework that integrates project management discipline with the iterative, value-driven spirit of Agile, specifically tailored for the data professionals of today.