



DATA MANAGEMENT AND BUSINESS INTELLIGENCE

Basics and Tools In MS Excel and MS Project for Project Managers

Course code: DMBI-017

SPARK TRAINING

Professional training courses for leaders, specialists, and organizations seeking practical capability development.

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— Workshop Overview

Project managers need practical tools to plan, monitor, analyze, and communicate project information effectively. This course provides participants with the essential and advanced skills required to utilize Microsoft Excel and Microsoft Project for project planning, scheduling, reporting, resource management, performance analysis, and stakeholder communication.

Why Attend

The course combines hands-on workshops, guided exercises, demonstrations, case studies, practical assignments, project simulations, and real-world examples to ensure participants gain practical experience using both MS Excel and MS Project.

Who Should Attend

Project managers
Project coordinators
Project planners and schedulers
PMO professionals
Team leaders and supervisors
Engineers and technical professionals involved in projects

— Learning Objectives

- Utilize Microsoft Excel for project data management and analysis
- Create project dashboards and performance reports using Excel
- Develop project schedules and plans using Microsoft Project
- Manage project resources, timelines, and progress tracking
- Generate professional project reports and visualizations
- Integrate Excel and MS Project for enhanced project control
- Improve project decision-making through data analysis and reporting

— Course Outline

DAY 1

Introduction to Microsoft Excel and Microsoft Project

- Understanding the role of Excel and MS Project within project management environments
- Exploring the interfaces, navigation tools, and key functionalities of both applications
- Organizing project information and maintaining project data effectively
- Applying essential formulas and functions for project calculations and analysis
- Managing project data efficiently using spreadsheets and structured workbooks
- Visualizing project information through tables and basic reporting techniques

DAY 2

Advanced Excel Techniques for Project Management

- Applying advanced formulas and analytical functions to project data
- Creating professional charts and graphical project reports
- Utilizing data validation techniques to improve data quality and consistency
- Applying conditional formatting to highlight project performance indicators
- Developing interactive reports using pivot tables and filtering tools
- Building project dashboards for monitoring schedules, costs, and performance metrics
- Practical workshop: Designing an Excel-based project dashboard

DAY 3

Project Planning and Scheduling with Microsoft Project

- Understanding the Microsoft Project environment and project management features
- Creating project schedules and defining project activities
- Establishing task relationships, dependencies, and milestones
- Assigning resources and balancing workloads effectively
- Monitoring project progress and updating project status information
- Utilizing Gantt Charts and timeline views to communicate project schedules
- Practical exercise: Developing a project schedule using Microsoft Project

DAY 4

Advanced Project Scheduling and Reporting

- Creating customized fields, tables, and project views
- Managing multiple projects and portfolio-level scheduling activities
- Linking projects to create integrated schedules and reporting structures
- Applying earned value management techniques for performance measurement
- Generating advanced reports and visual dashboards for stakeholders
- Analyzing schedule performance and resource utilization

- Practical workshop: Building an integrated master project schedule

DAY
5

Integrating Microsoft Excel and Microsoft Project

- Importing project information between Excel and Microsoft Project
- Exporting project schedules, resource data, and cost information for analysis
- Enhancing project reporting through Excel visualization capabilities

- Analyzing project performance trends using Excel tools and techniques
- Maintaining data accuracy and consistency across project management systems
- Developing integrated reporting processes for project stakeholders
- Practical exercise: Creating combined project performance reports using Excel and MS Project
- Course review, lessons learned, and implementation planning

— Upcoming Classroom Dates

DATE	LOCATION	FEE
4 - 8 January 2027	London - United Kingdom	€2,100
1 - 5 February 2027	Kuala Lumpur - Malaysia	€1,400
1 - 5 March 2027	Istanbul - Türkiye	€1,600
5 - 9 April 2027	London - United Kingdom	€2,100
3 - 7 May 2027	Amsterdam - Netherlands	€2,125
7 - 11 June 2027	Frankfurt - Germany	€1,625
5 - 9 July 2027	Istanbul - Türkiye	€1,600
2 - 6 August 2027	Munich - Germany	€2,125

— Certificate and Registration

Participants who attend and complete the full programme receive a SPARK Training Certificate of Completion. For registration, in-house delivery, or availability questions, contact info@sparktraining.eu or +31 85 115 0004.