

Project Accounting and Financial Modeling using Microsoft Excel

Barcelona (Spain)

12 - 16 April 2027

UK Training

PARTNER



Project Accounting and Financial Modeling using Microsoft Excel

Code: FA32 From: 12 - 16 April 2027 City: Barcelona (Spain) Fees: 5200 Pound

Introduction

In today's project-driven business environment, organizations must effectively manage project accounting, financial planning, and financial performance to ensure projects are delivered on time, within budget, and with maximum profitability. Successful project professionals are expected to integrate sound project financial management practices with advanced financial modeling using Microsoft Excel to support accurate forecasting, budgeting, reporting, and strategic decision-making.

This intensive course equips participants with the practical knowledge and technical skills required to manage the complete project financial life cycle. Participants will learn how to develop and control project budgets, monitor project costs, perform variance analysis, forecast cash flows, evaluate project profitability, and build professional financial models using Microsoft Excel.

The course also covers advanced Excel techniques, including financial functions, XLOOKUP, INDEX/MATCH, SUMIFS, Pivot Tables, Power Query, Goal Seek, Scenario Manager, and interactive dashboards, enabling participants to automate financial analysis and produce executive-level financial reports that support informed business decisions.

Course Objectives

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

- Understand the principles, concepts, and best practices of Project Accounting.
- Manage the complete Project Financial Life Cycle from budgeting through financial reporting.
- Classify and allocate Direct and Indirect Project Costs using structured Cost Coding methodologies.
- Develop comprehensive Project Budgets and establish effective Budget Baselines.
- Apply professional Cost Estimation Techniques for accurate project planning.
- Prepare and manage Cash Flow Planning and Cash Flow Forecasting.
- Monitor project expenditures using effective Cost Monitoring and Cost Control techniques.
- Conduct Variance Analysis to identify financial deviations and improve project performance.
- Measure project progress using Earned Value Management EVM and key performance indicators such as Cost Performance Index CPI and Schedule Performance Index SPI.
- Build dynamic and scalable Financial Models using Microsoft Excel.
- Utilize advanced Excel functions including IF, IFERROR, Nested Functions, XLOOKUP, INDEX/MATCH, SUMIFS, Dynamic Tables, and Data Validation.
- Apply Goal Seek, Scenario Manager, and financial modeling techniques to evaluate different project scenarios.
- Analyze Project Profitability using Net Present Value NPV and Internal Rate of Return IRR.
- Perform Sensitivity Analysis and Risk Analysis to support financial decision-making.
- Develop professional Financial Dashboards, Executive Financial Reports, and automated reporting solutions using Pivot Tables and Power Query.
- Analyze Project Portfolio Financial Performance and apply modern AI-Assisted Excel Features for financial analysis and reporting.

The logo for UK Training Partner features the text 'UK Training' in a small, black, sans-serif font above the word 'PARTNER' in a large, bold, black, sans-serif font. The background of the logo is a chessboard with several chess pieces, including a king, a queen, and a pawn, arranged in a strategic formation.

- Support strategic Financial Decision-Making through data-driven project financial analysis.

Course Outlines

Day 1: Fundamentals of Project Accounting

- Introduction to Project Accounting
- Understanding the Project Financial Life Cycle
- Cost Classification and Cost Coding
- Managing Direct and Indirect Project Costs
- Project Budget Structure and Financial Documentation
- Revenue Recognition Principles
- Financial Governance for Projects
- Microsoft Excel Fundamentals for Project Accounting

Day 2: Project Budgeting, Cost Estimation, and Cost Control

- Developing Comprehensive Project Budgets
- Professional Cost Estimation Techniques
- Budget Baseline Development
- Cash Flow Planning
- Cost Monitoring and Cost Control Processes
- Variance Analysis Techniques
- Earned Value Management EVM
- Cost Performance Indicators CPI & SPI
- Budget Tracking and Cost Monitoring in Microsoft Excel

Day 3: Financial Modeling using Microsoft Excel

- Principles and Best Practices of Financial Modeling
- Building Dynamic Financial Models
- Structuring Professional Excel Models
- Excel Financial Functions
- XLOOKUP
- INDEX/MATCH
- SUMIFS
- IF, IFERROR, and Nested Functions
- Dynamic Tables
- Data Validation
- Goal Seek
- Scenario Manager
- Model Accuracy and Error Prevention

Day 4: Financial Analysis, Forecasting, and Reporting

- Forecasting Project Financial Performance
- Cash Flow Forecasting
- Project Profitability Analysis
- Net Present Value NPV

A graphic of a chessboard with several chess pieces. A large gold king piece is in the foreground on the right, with a silver pawn and a gold pawn behind it. In the background, there are concentric circles and the text 'UK Training PARTNER' in a bold, sans-serif font.

UK Training
PARTNER

- Internal Rate of Return IRR
- Sensitivity Analysis
- Risk Analysis
- Financial Reporting Best Practices
- Pivot Tables for Financial Reporting
- Interactive Executive Dashboards
- Power Query Fundamentals
- Automated Financial Reports

Day 5: Advanced Project Financial Management

- Integrated Financial Model Development
- Executive Financial Reporting
- Project Financial KPIs
- Budget Reforecasting
- Project Portfolio Financial Analysis
- AI-Assisted Excel Features for Financial Analysis
- Financial Decision-Making Techniques
- Best Practices in Project Accounting
- Building Executive Financial Dashboards
- End-to-End Project Financial Case Study

Why Attend this Course: Wins & Losses!

- Build professional financial models that support project planning and investment decisions.
- Improve project budgeting, cost control, and cash flow management.
- Produce accurate financial forecasts and executive financial reports.
- Monitor project financial performance using Variance Analysis, EVM, CPI, and SPI.
- Evaluate project feasibility using NPV, IRR, and Sensitivity Analysis.
- Automate financial reporting through advanced Microsoft Excel features.
- Develop interactive Financial Dashboards for executive management.
- Strengthen financial decision-making using data-driven analysis.
- Increase efficiency by leveraging Power Query, Pivot Tables, and AI-Assisted Excel Features.
- Enhance professional capabilities in Project Accounting and Project Financial Management.

Conclusion

Effective Project Accounting and Financial Modeling using Microsoft Excel have become essential competencies for modern project professionals responsible for delivering financially successful projects. By combining structured project accounting principles with advanced Excel-based financial modeling, organizations can improve budgeting accuracy, strengthen cost control, optimize cash flow, evaluate project profitability, and support confident strategic decision-making.

Upon completing this course, participants will possess the practical skills to manage the entire project financial life cycle, build dynamic financial models, perform advanced financial analysis, develop executive dashboards, automate reporting processes, and apply industry best practices in Project Financial Management. These capabilities enable professionals to deliver greater financial transparency, improve project performance, and create measurable value for their organizations.

A graphic of a chessboard with several chess pieces. In the foreground, there are three pieces: a silver pawn, a silver knight, and a gold king. In the background, there are concentric circles emanating from the center of the board.

UK Training
PARTNER

Blackbird Training Clients

 MANNAI CORPORATION MANNAI Trading Company WLL, Qatar	 GAC UNE FILIALE D' EGA Alumina Corporation Guinea	 Booking.com Booking.com Netherlands	 OXFAM Oxfam GB International Organization, Yemen	 Capital Markets Authority Kuwait
 Waltersmith Waltersmith Petroman Oil Limited Nigeria	 QNB Qatar National Bank (QNB), Qatar	 Qatar Foundation Qatar	 AFRICAN UNION ADVISORY BOARD ON CORRUPTION Tanzania	 KFAS KFS Kuwait
 Reserve Bank of Malawi Malawi	 Central Bank of Nigeria Nigeria	 Ministry of Interior Kingdom of Saudi Arabia KSA	 Mabruk Oil Company Libya	 Saudi Electricity Company KSA
 BPKH Badan Pengelola Keuangan Haji BADAN PENGELOLA KEUANGAN Haji, Indonesia	 NATO Italy	 ENI ENI CORPORATE UNIVERSITY, Italy	 GULF BANK Gulf Bank Kuwait	 General Organization for Social Insurance KSA
 Defence Space Administration Nigeria	 National Industries Group (Holding) Kuwait	 Hamad Medical Corporation Qatar	 USAID Pakistan	 STC STC Solutions, KSA
 North Oil Company North Oil company,	 EKO Electricity EKO Electricity	 OMAN BROADBAND Oman Broadband	 UNITED NATIONS UN.	 Authority for Electricity Regulation, Oman Authority for

UK Training
PARTNER

Blackbird Training Categories

Management & Admin

Entertainment & Leisure
Professional Skills
Finance, Accounting, Budgeting
Media & Public Relations
Project Management
Human Resources
Audit & Quality Assurance
Marketing, Sales, Customer Service
Secretary & Admin
Supply Chain & Logistics
Management & Leadership
Agile and Elevation

Technical Courses

Artificial Intelligence (AI)
Sustainability, ESG & Corporate Responsibility
Advanced Courses
Hospital Management
Public Sector
Special Workshops
Oil & Gas Engineering
Telecom Engineering
IT & IT Engineering
Health & Safety
Law and Contract Management
Customs & Safety
Aviation
C-Suite Training