

ADVANCED EXCEL: POWER QUERY, POWER PIVOTS AND MACROS

"Master Excel's Most Powerful Tools for Data Transformation, Automation, and Advanced Analytics."

Schedule

Venue (InHouse)	Fees
At Your Organization Premises	Ask For The Quotation

► **Available delivery methods:** In-House Training

Introduction

In today's data-driven business world, the ability to efficiently clean, analyze, and automate large sets of data has become essential. Microsoft Excel, when combined with tools like Power Query, Power Pivot, and Macros (VBA), provides a powerful platform for advanced data analysis, reporting, and automation.

The Advanced Excel: Power Query, Power Pivots and Macros Training equips participants with the technical skills to transform raw data into actionable insights. This hands-on program enables professionals to automate repetitive tasks, create interactive dashboards, and perform complex data modeling using Excel's most advanced features. By the end of the course, participants will be able to manage and present data with professional accuracy and efficiency.

Objectives

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

- Import, clean, and transform data using Power Query.
- Build robust data models and relationships using Power Pivot.
- Create interactive reports and dashboards with PivotTables and PivotCharts.
- Automate repetitive tasks using Macros and VBA scripting.
- Apply advanced analytical techniques for decision-making.
- Integrate multiple data sources to streamline reporting.
- Optimize workflow efficiency through automation and dynamic modeling.

Why Attend

Data management and reporting are at the core of every modern business. Professionals who can manipulate and automate data workflows gain a distinct competitive advantage. This course is designed to help participants move beyond basic Excel functions and master automation and data modeling to deliver faster, smarter, and more reliable business results.

Whether you work in finance, accounting, data analysis, or project management, this training provides practical expertise to make your reporting faster, more accurate, and more impactful.

Target Audience

This course is suitable for:

- Financial Analysts and Accountants
- Data Analysts and Business Intelligence Professionals
- Auditors and Management Accountants
- Operations and Project Managers
- Anyone who works extensively with large data sets in Excel

Individual Benefits

- Gain hands-on mastery of Excel's advanced automation and analytical tools.
- Reduce time spent on manual data entry and report generation.
- Create visually compelling, interactive dashboards and data models.
- Strengthen analytical and decision-making capabilities.
- Enhance your career prospects with in-demand Excel automation skills.

Organizational Benefits

- Improve the efficiency and accuracy of financial and operational reports.
- Automate repetitive processes, saving valuable staff time.
- Ensure consistency and reliability in data reporting.
- Empower teams to make faster, data-backed decisions.
- Build in-house analytical and automation expertise.

Instructional Methodology

The training employs a practical, project-based approach through:

- Interactive instructor-led demonstrations
- Guided hands-on exercises and practice sessions
- Real-world business case studies
- Individual and group projects using sample datasets
- Continuous assessment and personalized feedback

Course Outline

Module 1: Advanced Excel Essentials and Data Functions

Module 2: Mastering Power Query – Data Import, Cleaning, and Transformation

Module 3: Power Pivot Fundamentals – Building Data Models and Relationships

Module 4: DAX (Data Analysis Expressions) for Advanced Calculations

Module 5: Creating Dynamic Reports with PivotTables and PivotCharts

Module 6: Introduction to Macros – Recording and Running Automation Scripts

Module 7: VBA Programming Basics – Writing and Editing Custom Code

Module 8: Integrating Power Query, Power Pivot, and VBA for Seamless Workflows

Module 9: Building Interactive Dashboards and Business Reports

Module 10: Capstone Project – End-to-End Automated Reporting Solution

Certification

Upon successful completion, participants will receive a Certificate in Advanced Excel: Power Query, Power Pivots and Macros, recognizing their expertise in data transformation, automation, and advanced reporting using Microsoft Excel.

Why Choose MAWA Events

- **Global Expertise:** More than 17 years of experience in professional training and consulting.
- **Industry-Leading Faculty:** Courses delivered by seasoned professionals with hands-on experience.
- **Practical Insights:** Learn to turn theory into actionable strategies for real-world business impact.
- **Client-Focused Solutions:** Customized programs designed to achieve your organisation’s unique goals.

In-House / Customized Training

Interested in running this course for your team?

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