

ADVANCED MODELING WITH EXCEL AND VISUAL BASIC FOR APPLICATIONS TRAINING

“Automate, Analyze, and Accelerate Business Decisions Using Advanced Excel Models and VBA Programming.”

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 environment, Excel remains the most versatile and widely used analytical tool. However, to fully leverage its power, professionals must go beyond formulas and charts to build intelligent models that automate workflows, simulate scenarios, and support complex decision-making.

The Advanced Modeling with Excel and Visual Basic for Applications (VBA) Training is designed to equip participants with advanced modeling skills and VBA programming techniques to design dynamic, flexible, and automated business tools. Through hands-on practice, participants learn to structure financial and operational models, streamline repetitive tasks, and build user-friendly interfaces that enhance productivity and accuracy.

This course bridges analytical thinking and programming logic, helping professionals transform Excel from a spreadsheet into a powerful modeling and automation platform.

Objectives

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

- Develop dynamic, flexible, and robust Excel-based business models.
- Apply advanced Excel functions for analytical problem-solving.
- Automate repetitive tasks using VBA macros and custom procedures.
- Design user interfaces and dashboards for model interaction.
- Create error-handling systems and ensure model integrity.
- Link Excel models to external data sources for integration and reporting.
- Build scenario, sensitivity, and what-if analysis models.
- Apply VBA programming logic to enhance decision-making tools.

Why Attend

This training empowers professionals to unlock the full potential of Excel and VBA, turning manual spreadsheet operations into automated, efficient, and insightful business tools. Participants gain a solid understanding of how to build models that not only analyze data but also drive strategic decisions. Whether you work in finance, operations, or management, this course will elevate your technical and analytical proficiency to a professional level.

Target Audience

This course is ideal for:

- Financial Analysts and Accountants
- Business Analysts and Operations Planners
- Data Analysts and Reporting Specialists
- Managers and Decision-Makers
- Professionals seeking to automate reporting and modeling tasks
- Anyone aiming to enhance analytical capability using Excel and VBA

Individual Benefits

- Gain advanced Excel modeling and VBA automation skills.
- Improve efficiency by automating repetitive tasks and processes.
- Learn to develop professional-grade analytical models.
- Strengthen problem-solving and logical programming thinking.
- Enhance productivity, accuracy, and career competitiveness.
- Build custom tools that add measurable value to your organization.

Organizational Benefits

- Reduce manual errors and improve reporting accuracy.
- Enhance analytical efficiency and decision-making speed.
- Automate complex workflows for time and cost savings.
- Increase internal capability for data analysis and forecasting.
- Improve transparency, standardization, and control in modeling.
- Build a team of Excel power users capable of developing business tools internally.

Instructional Methodology

The course uses a hands-on, project-based learning approach through:

- Step-by-step instructor-led modeling demonstrations
- Real-world VBA automation projects and case studies
- Interactive coding and debugging exercises
- Group problem-solving workshops
- Practice assignments with personalized feedback
- Continuous Q&A and guided model-building sessions

Course Outline

Module 1: Advanced Excel Functions and Formula Optimization

Module 2: Data Structuring, Validation, and Error Checking

Module 3: Introduction to VBA - Understanding the Developer Environment

Module 4: Writing and Executing Macros

Module 5: Working with Loops, Conditions, and Arrays in VBA

Module 6: Automating Reports and Dashboards

Module 7: Designing User Forms and Custom Interfaces

Module 8: Scenario and Sensitivity Analysis with VBA Models

Module 9: Linking Excel with External Data (Access, SQL, and Web)

Module 10: Capstone Project - Building a Fully Automated Business Model in Excel

Certification

Upon successful completion, participants will receive a Certificate in Advanced Modeling with Excel and Visual Basic for Applications (VBA), recognizing their ability to design, automate, and manage sophisticated business models for data-driven decision-making.

Why Choose MAWA Events

- **Global Expertise:** More than 17 years of experience in professional training and consulting.
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- **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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