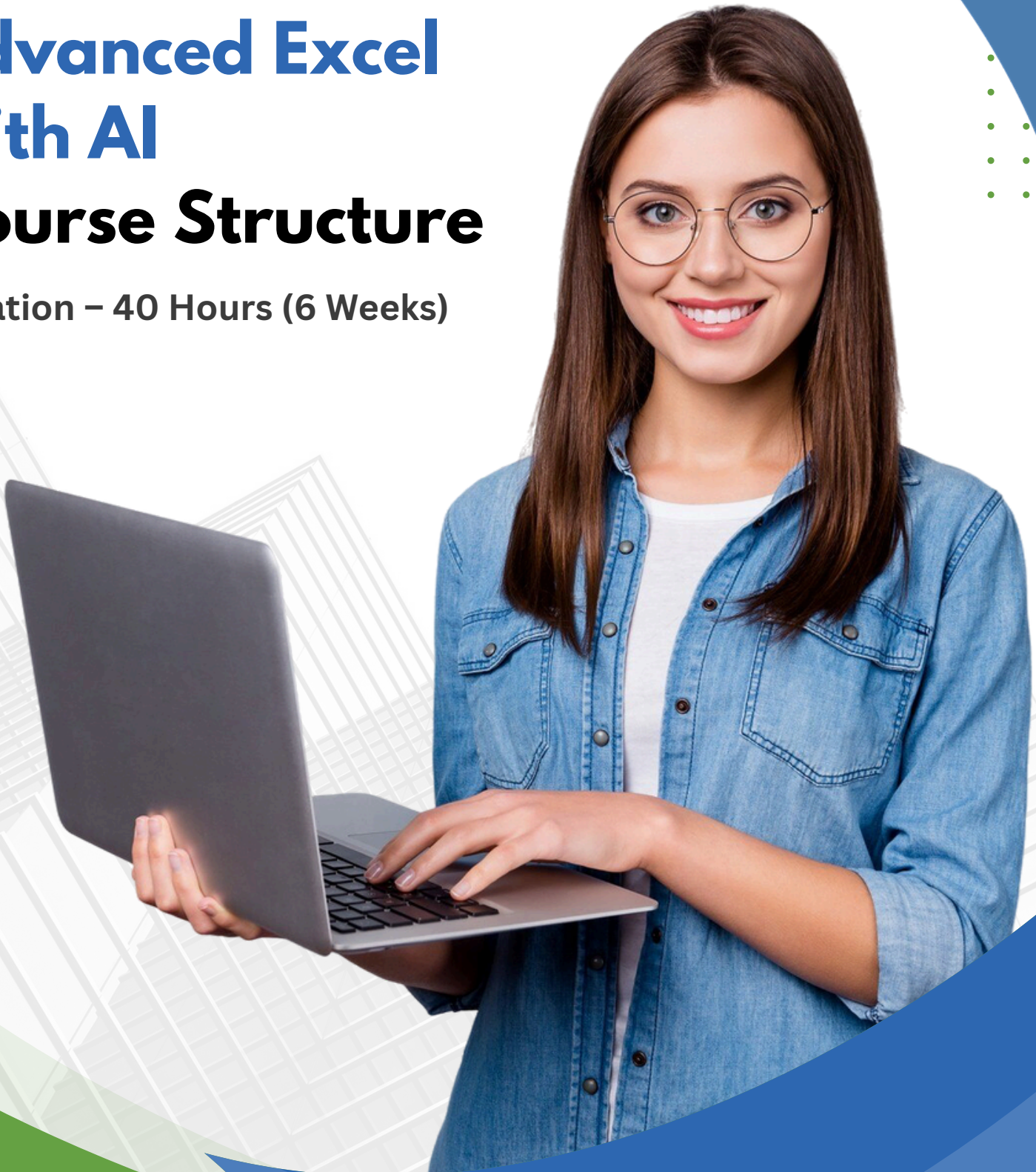


Advanced Excel with AI Course Structure

Duration – 40 Hours (6 Weeks)



Module 1: Advanced Data Analysis & Modeling (8 Hours)

- Dynamic Arrays & Functions: Mastering XLOOKUP, INDEX-MATCH , FILTER , UNIQUE , SORT.
- Advanced Data Validation & Conditional Formatting: Creating dynamic dropdowns and formula-based formatting.
- Data Modeling & Power Pivot: Connecting multiple data sources and creating relationships without VLOOKUP.
- DAX Fundamentals: Using Data Analysis Expressions for calculated columns and measures.

Module 2: Data Transformation & Automation with Power Query (8 Hours)

- ETL Techniques: Importing, cleaning, and transforming messy datasets (CSV, SQL, Web).
- M Language Basics: Editing queries to automate repetitive data cleaning.
- AI in Power Query: Leveraging built-in AI for data transformation logic.
- Combining Data: Merging and appending queries for comprehensive reporting.

Module 3: Advanced Data Visualization & Dashboarding (8 Hours)

- Pivot Table Mastery: Advanced grouping, calculated fields, and interactive slicers.
- Dynamic Dashboards: Designing interactive dashboards with KPI indicators.
- Advanced Charting: Creating specialized charts (Waterfall, Heatmaps, Gauge charts).
- Visualization with AI: Generating insights and charts using AI suggestions.

Hands-On Project, Deployment & Cloud Storage – 20 Hours.

Module 4: AI Tools & Automation with Copilot & ChatGPT (8 Hours)

- Excel Copilot Integration: Using Microsoft Copilot to generate formulas, summarize data, and create visualizations.
- ChatGPT for Excel: Writing complex formulas, troubleshooting errors, and writing VBA macros using AI prompts.
- Predictive Analytics: Forecasting, Trend analysis, and Regression analysis using built-in AI tools.

Module 5: Macros, VBA, and Final Project (8 Hours)

- VBA Basics: Introduction to Visual Basic for Applications to record and edit macros.
- Automating Daily Tasks: Creating buttons and user forms for data entry.
- AI-Generated VBA: Writing and debugging macros using AI.
- Capstone Project: Building a fully automated dashboard using AI and Advanced Formulas on a real-world

Hands-On Project, Deployment & Cloud Storage – 20 Hours.



Contact Us Today!



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