



Advance Excel Course Details

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1. Advanced Formulas and Functions

- **Logical Functions**
 - IF, AND, OR, NOT
 - Nested IF Statements
- **Lookup and Reference Functions**
 - VLOOKUP, HLOOKUP, INDEX, MATCH
 - Using OFFSET and INDIRECT Functions
- **Statistical Functions**
 - AVERAGEIF, COUNTIF, SUMIF
 - Statistical Analysis with AVERAGEIFS, COUNTIFS, SUMIFS
- **Array Formulas**
 - Understanding Array Formulas
 - Examples of Array Formulas for Complex Calculations

2. Data Analysis Techniques

- **Advanced PivotTables**
 - Creating Calculated Fields and Items
 - Working with Multiple PivotTables
 - Using Power Pivot for Data Analysis
- **Advanced Charting**
 - Customizing Charts (Secondary Axis, Trendlines)
 - Dynamic Charts with Named Ranges
 - Using Pivot Charts for Interactive Data Analysis
- **Data Analysis Tools**
 - Using Data Tables for Sensitivity Analysis
 - Scenario Manager for What-If Analysis
 - Solver Add-In for Optimization Problems

3. Data Cleansing and Transformation

- **Cleaning Data**
 - Removing Duplicates
 - Text-to-Columns for Data Splitting
 - Using TRIM, CLEAN, and other Text Functions
- **Data Validation**
 - Creating Dynamic Dropdown Lists

- Custom Error Alerts and Input Messages
- Using Data Validation with Formulas

4. Advanced Data Modeling

- **Introduction to Power Query**
 - Importing and Transforming Data with Power Query
 - Merging Queries and Append Operations
- **Introduction to Power BI**
 - Connecting Excel to Power BI
 - Creating Interactive Reports and Dashboards

5. Automation with Macros and VBA

- **Introduction to VBA (Visual Basic for Applications)**
 - Basics of VBA Programming
 - Writing and Debugging Macros
 - Using Excel Objects (Workbook, Worksheet, Range)
- **Advanced VBA Programming**
 - Working with User Forms
 - Creating Custom Functions (UDFs)
 - Automating Complex Tasks with VBA

6. Collaboration and Data Security

- **Advanced Data Protection**
 - Protecting Cells, Sheets, and Workbooks
 - Password Protecting Workbooks
- **Sharing and Collaboration**
 - Using SharePoint and OneDrive for Business
 - Co-authoring Workbooks in Real-Time

7. Excel Best Practices and Efficiency Tips

- **Performance Optimization**
 - Tips for Improving Workbook Performance
 - Managing Large Datasets
- **Excel Productivity Tips**
 - Advanced Keyboard Shortcuts
 - Customizing the Ribbon and Quick Access Toolbar
 - Using Templates for Efficiency

8. Real-World Applications and Projects

- **Case Studies and Practical Examples**
 - Financial Modeling and Analysis
 - Business Intelligence Reporting
 - Project Management Dashboards

- **Capstone Project**

- Creating a Comprehensive Analysis Workbook
- Integrating Advanced Techniques and Tools
- Presenting Insights and Recommendations