

# ADVANCE EXCEL 2010 TRAINING

## Dashboard Reporting, Financial Modeling, Data Analysis and VBA

### Overview

- Database Management System
- SQL
- Financial Systems, ERPs
- What's New in Excel 2010

### Formulas & Functions

- IF & related functions
- Lookup & reference functions
- Power Functions
- Database functions
- Math Functions
- Array Formulas & Functions
- Text Functions
- Information Functions
- Reference Functions
- Creating complex formulas
- Identifying and correcting errors

### Data Summarization

- Sorting and Filters
- Aggregate and Random
- Subtotals
- Data Consolidation
- Workspace
- Forms
- Tables

### Macro Charged Reporting / Enhancing Excel Usage with Macros

- Simplifying complex tasks and reducing errors with recorded macros
- Bulletproofing routine editing and formatting
- Invoking macros with Form controls
- Visual Basic for application

### Data Integrity

- Data Validation
- Controlling the limits of data
- Setting up drop down parent & child list
- Working with Excel 2010 enhanced conditional formatting options
- Giving different format of your data for comparison by using Conditional Formatting with Formulas
- Invoking conditional formatting with form controls
- Arranging multiple workbooks with Workspaces
- Managing external links

### Analyzing Data with Excel Power Function

- Creating Interactive reports with Excel powerful formulas (Array) for multiple dimension view of your data sets.
- Tabulating information with advance formulas for single & multiple criterion Implementing Names to enhance your workbook model
- Developing nested functions to cope with multiple conditions
- Applying techniques to implement and troubleshoot nested calculations

### Summarizing Business Information (Pivot Table and PowerPivot)

- SQL Server PowerPivot for Excel 2010
- Slicer for PivotTable, Pivot Charts & Cube Functions
- PivotTable What – IF Analysis (WriteBack)
- (DAX) Data Analysis Expression
- Dashboards with PowerPivot
- Developing interactive PivotTables for real-time data analysis
- Building Pivot Charts to visually represent PivotTable data
- Defining data summaries interactively
- Macros Integration with Pivot Reports
- Filtering details with Report Filters and Slicers
- Presenting PivotTable reports effectively with charts
- Slicing your report with Excel Slicer
- Integrating Conditional Formatting with Pivot Reports

### Data visualization with Excel 2010 tools and charts

- Visualization with Text Function
- Data Visualization with Conditional Formatting
- Working with Excel Built-In Charts

- Creating Excel Non –Native Charts
- Creating Dynamic Charts with Excel
- Working with Sparkline for Dashboards & Reports
- Controlling Charts with VBA

### **Dashboard reporting with Excel**

- Dynamic & Static Dashboard
- Sales, Finance, HR, & Operational Dashboards
- Creating Lay out of your Dashboard
- Manage your data for reports extraction (Consolidation & Normalization)
- Setting up Calculation sheet for Trends, Variances, Alerts, Growth, Comparison & Calculations  
Setting up Charts Sheet
- Giving aesthetic & final look to your Dashboards

### **Advanced Report Development**

- Data Consolidation for Summary & Report
- Combining Disparate Data Sets to Make Summary Reports
- Creating Dynamic & Static Consolidated Reports
- Consolidation using PivotTable for Perfect Analysis

### **Data Optimization & Business Modeling (WHAT – IF Analysis)**

- Managing variables in worksheets with Scenarios
- Comparing and contrasting different datasets with scenario reports
- determining the magnitude of a variable with Goal Seek to achieve an end value
- Create multiple scenarios with Single Data Table
- Complex Calculation with Excel Solver