

MS-Excel VBA

Course Objective

Build a strong foundation in MS Excel VBA (Visual Basic for Applications) to automate repetitive tasks, improve efficiency, create intelligent Excel-based tools, and develop real-world automation solutions used in offices and businesses. This course is designed even learners from a **non-programming** background can join. We use simple, practical, and step-by-step approach.

TARGET AUDIENCE MS-Excel Users, MIS Executives, Accountants, Engineers, Analysts, Working Professionals	DURATION Weekdays: 35 Days x 1 hour Weekend: 11-12 Days x 3 hours
TRAINING MODE <ul style="list-style-type: none"> • Online • Classroom • Corporate – Inhouse 	PREREQUISITE Basic to intermediate MS-Excel knowledge. No prior programming knowledge required; however, it will be an added advantage.
COURSE DELIVERABLES <ul style="list-style-type: none"> • Practice files & source code • Real-world automation projects • Certificate of completion • Post-training support 	OUTCOME / SKILLS GAINED <ul style="list-style-type: none"> • Automate repetitive MS-Excel tasks • Build smart MS-Excel based tools • Improve productivity & accuracy • Confidence in MS-Excel VBA for office use.

MODULE 1: INTRODUCTION TO MS-EXCEL VBA & AUTOMATION

<ul style="list-style-type: none"> • What is VBA and why do you use it? • Difference between Excel VBA, Word VBA, etc. • Difference between MS-Excel functions vs VBA • MS-Excel security settings for macros 	<ul style="list-style-type: none"> • Difference between writing macros Vs recording macros • Understanding Macro-enabled workbooks • Opening & creating .xlsm files
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MODULE 2: GETTING STARTED WITH VBA EDITOR (VBE)

<ul style="list-style-type: none"> • Developer tab overview • Opening Visual Basic Editor (VBE) • Modules, ThisWorkbook & Sheet objects • Types of modules • Recording macros and editing it • Writing first VBA macro 	<ul style="list-style-type: none"> • VBE components: <ul style="list-style-type: none"> ○ Project Explorer ○ Properties Window ○ Code Window ○ Immediate Window • Why write code in module
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MODULE 3: PROGRAMING & VBA BASICS

<ul style="list-style-type: none"> • What is program & programing? • What is compiler & why is it required • VBA programing basics: <ul style="list-style-type: none"> ○ Syntax fundamentals ○ Why write code in module(s) ○ How to executive/run program ○ Writing comments in program • What is procedure • Concept of public and private SUB 	<ul style="list-style-type: none"> • Calling SUB in another SUB • Passing arguments via procedures • What are variables • Why variables are used • Types & life of variables • Declaring variables (Private & Public) • Usage of variables • Option Explicit • Constants
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MODULE 4: VBA OPERATORS & CONTROL STRUCTURES

<ul style="list-style-type: none"> • Arithmetic, comparison & logical operators • What are conditions & usage? • Conditional statements: <ul style="list-style-type: none"> ○ IF...Then ○ IF...Then....Else ○ Select Case 	<ul style="list-style-type: none"> • What are loops & usage? • Looping structures <ul style="list-style-type: none"> ○ For....Next ○ For Each...Next ○ Do / Do While / Do Until • Exit statements
Loops & conditions are the core / heart of any programing language. 50-60% of practical's will be on loops and condition.	

MODULE 5: WORKING WITH CELLS, RANGES & WORKSHEETS

<ul style="list-style-type: none"> • Referencing cells & range • Working with worksheets & workbooks <ul style="list-style-type: none"> ○ Create worksheets, workbook via coding ○ Moving, renaming, copy worksheets • Using Range, Cells & Rows / Columns <ul style="list-style-type: none"> ○ Where to use Range, Cells, Row / Columns ○ Reading data ○ Writing data 	<ul style="list-style-type: none"> • Selecting Worksheet • Selecting vs avoiding Select • Copy, paste & clear data using VBA • Find & Replace using VBA • Copy and paste data from one worksheet to another • Copy and paste data from one workbook to another
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MODULE 6: USING EXCEL OBJECT IN VBA

<ul style="list-style-type: none"> • MS-Excel Object Modal overview • Application Object • Workbook & Worksheet Object 	<ul style="list-style-type: none"> • Range Object in depth • Using With....End With • Reading & writing large data efficiently
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MODULE 7: VBA BUILT-IN FUNCTIONS & MS-EXCEL FUNCTIONS

<ul style="list-style-type: none"> • Common VBA functions <ul style="list-style-type: none"> ○ MsgBox, InputBox ○ Date, Now, Timer • Common VBA functions 	<ul style="list-style-type: none"> • Using MS-Excel worksheet functions in VBA <ul style="list-style-type: none"> ○ SUM, COUNT, AVERAGE ○ VLOOKUP, SUMIF • Error handling with functions
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MODULE 8: ERROR HANDLING & DEBUGGING

<ul style="list-style-type: none"> • Common VBA errors • Types of error <ul style="list-style-type: none"> ○ Compile-time ○ Run-time ○ Logical errors 	<ul style="list-style-type: none"> • Debugging tools <ul style="list-style-type: none"> ○ Breakpoints ○ Step Into / Step Over ○ Watch Window • Error handling using On Error
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MODULE 9: AUTOMATING REPORTS & FORMATTING

<ul style="list-style-type: none"> • Raw data to professional reports in a click • Automating formatting • Creating dynamic reports • Loop-based report generation 	<ul style="list-style-type: none"> • Logic based calculations • Protecting and unprotecting sheets • Protecting and unprotecting structure • Auto-saving and file handling basics
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MODULE 10: WORKING WITH DATA

<ul style="list-style-type: none"> • Handling large data sets • Handling multiple datasets for consolidation • Removing duplicates 	<ul style="list-style-type: none"> • Dynamic last row & column detection • Importing data from other MS-Excel files • Converting raw data into professional reports
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MODULE 11: ADVANCED AUTOMATION CONCEPTS (INTRODUCTION)

<ul style="list-style-type: none"> • Events in MS-Excel VBA <ul style="list-style-type: none"> ○ Workbook events ○ Worksheet events • Creating Charts via VBA 	<ul style="list-style-type: none"> • Creating custom MS-Excel tools (overview) • Speed optimization techniques • MS-Excel Forms • Overview of MS-Excel Forms programing
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MODULE 12: BEST PRACTICES & DEPLOYMENT

<ul style="list-style-type: none"> • Writing clean & readable VBA code • Macro security best practices • Distributing VBA files 	<ul style="list-style-type: none"> • Protecting VBA code • Performance tips
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MODULE 13: DATABASE CONNECTIVITY

<ul style="list-style-type: none"> • Overview of database • Read, write, delete & update data to database via VBA 	<p>Important</p> <ul style="list-style-type: none"> • Database is not part of this course • Basics of database will be covered not in full.
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MODULE 14: REAL-LIFE MINI PROJECT

<ul style="list-style-type: none"> • Automated invoice generation • MIS report automation 	<ul style="list-style-type: none"> • Data cleanup automation • Sending bulk emails using Outlook via VBA
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MODULE 15: CONSOLIDATION, MENTORSHIP & INTERVIEW PREP.

<ul style="list-style-type: none"> • Revision of key concepts • Common VBA interview questions • Practical test discussion 	<ul style="list-style-type: none"> • Career guidance for Excel/VBA roles • Mock interview (on demand / chargeable) • Q&A session
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Why Choose Us?	Few Corporate Client References
<ul style="list-style-type: none"> ✓ 200+ MS-Excel VBA automation project ✓ 7+ MS-Excel VBA based software/tools ✓ Trusted by 10,000+ learners – PAN India, USA, Europe, UAE ✓ Practical, job-oriented training ✓ Real-world office & business examples ✓ Experienced trainer with industry exposure ✓ Small batches & personalized attention ✓ Post-training support 	<ul style="list-style-type: none"> • Bharat Forge Limited • KSB Tech Pvt. Ltd. • International School of Management & Research (ISMR) • MSINDIA Health Insurance TPA Pvt. Ltd. • HUSCO Hydraulics Pvt. Ltd. • Francois Compressors India Pvt. Ltd. • NORD Drivesystems Pvt. Ltd. • Equilibrium Solutions Pvt. Ltd. • ITESKUL • Green Packaging Industries Pvt. Ltd. • Flexibility HR Solutions Pvt. Ltd. • Astro MedTech Pvt. Ltd. • Indus Towers Limited • BDG Metals & Power Limited • MTech Innovations Limited • NSDM India
FAQ	
<p>If I miss any session?</p> <p>No worries. We track the progress of every participant. Missed session can be covered later through a backup session or by joining another batch free of cost.</p> <p>Do I get course material?</p> <p>Yes, participants receive course material in PDF format along with practice data sheets.</p> <p>Is course fee refundable?</p> <p>Yes. The first session is treated as a demo and is eligible for a 100% refund with no questions asked. After the first session, fees are non-refundable under any circumstances.</p>	<p>visit our website for more details</p>

Queries / enrollment / customization, please contact:

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