Excel VBA Macros Power Programming

Learn Excel VBA from basic to expert level: macros, loops, event macros, UserForms, pivot and dashboard automation, and 40 real-time report automation projects, with live classes by Sujeet Sir.

COURSE AT A GLANCE

Duration	45 to 55 hours
Level	Advanced
Class time	Mon to Fri: 1 hour daily, or Sat and Sun: 2-hour classes
Batch size	1 to 3 students (one-to-one or small group)
Mode	Live online on Google Meet
Language	Hindi or English
Projects	Projects every week (13 in the 5-week plan) and 40 real-time report-automation projects
Certificate	Yes, with real project work
Support	Phone and Google Meet doubt support
Demo	Free 3-4 day demo class

BENEFITS

- Automate your daily Excel reports from start to finish
- Build UserForms, buttons and e-mail automation
- Finish with 40 real-time report automation projects
- Get a certificate with real project work

YOUR GOAL

Write your own macros and automate a complete report.

WHO SHOULD LEARN

Anyone who repeats the same Excel work every day and wants to automate it.

HOW IT IS TAUGHT

Live on Google Meet by Sujeet Sir in Hindi or English, with real company examples, projects, a certificate and doubt support on phone after the course.

COURSE OUTLINE

1. Basic Macros Programming

- Concept of VBA programming language
- Types of VBA macros
- Recording macros with editing
- How to write macros and algorithms
- Workbooks, sheets and range objects with members

- File and folder handling with VBA
- Formatting, style and report format creation
- Report format project

2. Apply Conditions in VBA

- Formatting tricks
- Data type declaration (variables)
- Simple IF condition in VBA with And, Or
- XOR with IF condition
- Nested IF and complicated conditions with IF
- Select Case and Switch Case
- Create formulas for IF
- Live project with VBA macros for report automation

3. Loops with VBA

- For loop
- Nested loop
- For Each loop
- Do While loop
- Do Until loop
- Show file and folder list with the Directory function
- Loop with IF condition
- Live project with loop and condition

4. Event Macros Programming

- Fundamentals of event macros programming
- Worksheet and range event macros programming
- Workbook event macros programming
- Button and object macros programming
- Add ActiveX controls in sheets
- Live project with event macros programming

5. Excel VBA Macros Function (Formulas) Creation

- Formulas and function creation with VBA programming
- Advanced formulas method with VBA programming
- String and number functions
- Date and time calculation using date and time formulas
- Information formulas
- Lookup methods (VLOOKUP, HLOOKUP, MATCH, INDEX, OFFSET) with VBA
- Advanced VLOOKUP and VLOOKUP listing with VBA
- File and directory functions
- Data summarization formulas (AVERAGEIF, AVERAGEIFS, COUNTIF, COUNTIFS, LARGE, SMALL and more) with VBA
- Database and list management formulas with VBA
- File and folder copy, rename, delete, hide and unhide formulas
- Financial formulas
- Live project with VBA function

6. Advanced Formulas / Functions

- Advanced array formulas with VBA
- Complicated large formulas creation with VBA

- Advanced naming method with formulas
- Report automation with formulas
- Live automation project
- New formulas creation with VBA programming

7. Charting and Dashboard Report Automation with VBA

- Chart creation
- Chart tricks
- Use a button on a chart
- Dynamic chart with OFFSET formulas
- Dashboard example
- Live project

8. Pivot Automation with VBA

- Create pivot tables with VBA
- Link more than one data source in VBA macros
- Report automation with VBA macros
- SQL in pivot with VBA macros
- Dashboard example with pivot and VBA
- Live project

9. UserForm in Excel

- Concept of UserForm in VBA
- TextBox, Label and ComboBox in VBA
- ListBox automation
- Filter duplicates and multi-connection list box
- Multi-page forms, PDF and FLV, media player and other embedded applications
- Live project

10. Picture / Image Automation with VBA Macros

- Chart tricks as image on a UserForm
- Show Google image on a UserForm
- Dynamic picture automation
- Live project with picture automation

11. Database Connectivity and Other Applications with VBA

- E-mail automation with Outlook (send mail from Excel to Outlook)
- E-mail automation with Gmail, Yahoo, AOL mail and other POP3 mail
- PDF mail automation
- MS Word handling: create letters from an Excel data sheet
- MS Access database connectivity
- Notepad and web data connectivity
- Embed other applications
- SQL or Oracle connectivity
- SQL query in MS Excel 2016
- File and folder directory access
- Live project for final certification

12. Project for Report Automation

- Make auto-event file and folder
- Data separation in file, dynamic
- Make a data entry form in a sheet

- Data compile from folder
- Set expiry date in an Excel report file
- Lock the data you type and keep the rest of the sheet unlocked
- Make 20-30 Excel formulas as per your condition
- Data entry form with UserForm
- Bulk e-mail sending system
- Set username and password so the report shows only to a logged-in user

13. 40 Report Automation Projects with VBA

- Report 1 : Daily Sales Report Automation
- Report 2 : Monthly Sales Summary Report
- Report 3 : Product-wise Sales Report
- Report 4 : Salesman Performance Report
- Report 5 : Branch-wise Sales Report
- Report 6 : Customer Ledger Statement
- Report 7 : Outstanding Receivables Ageing Report
- Report 8 : Vendor Payables and Payment Report
- Report 9 : Invoice Generator with Auto Number
- Report 10 : Quotation Generator with PDF
- Report 11 : Purchase Order Report
- Report 12 : Stock and Inventory Status Report
- Report 13 : Stock Ageing Report
- Report 14 : Reorder Level Alert Report
- Report 15 : Daily Attendance Report
- Report 16 : Monthly Attendance Summary Sheet
- Report 17 : Salary Slip Generator
- Report 18 : Payroll Register Report
- Report 19 : Leave Balance Tracker
- Report 20 : Employee Master Data Entry Form
- Report 21 : Expense Tracker Report
- Report 22 : Petty Cash Report
- Report 23 : Bank Reconciliation Report
- Report 24 : GST Summary Report
- Report 25 : Profit and Loss Report
- Report 26 : Budget vs Actual Report
- Report 27 : Cash Flow Report
- Report 28 : Production Daily Report
- Report 29 : Quality Rejection Report
- Report 30 : Dispatch and Delivery Tracker
- Report 31 : Student Fee Collection Report
- Report 32 : Student Marksheet Generator
- Report 33 : Hospital OPD Patient Report
- Report 34 : Call Center Performance Report
- Report 35 : Lead and Follow-up Tracker
- Report 36 : Project Task Status Report
- Report 37 : Data Consolidation from Folder Report
- Report 38 : Auto Split Data into Files by Branch
- Report 39 : Bulk Email Sender with Attachments
- Report 40 : Auto Dashboard and PDF Report Mailer

5-week fast-track plan

- Week 1 : Basic macros (4 projects)
- Week 2 : Conditions and loops (3 projects)
- Week 3 : Event and function macros (2 projects)
- Week 4 : UserForm (2 projects)
- Week 5 : Connect Excel to other sources, charting, pivot, picture, e-mail, PDF, Word and PowerPoint automation (2 final projects)

YOUR TRAINER

Mr. Sujit Kumar Singh (MCA), MIS & Data Analyst
Excel, VBA, Power BI, SQL and Python trainer with 21+ years of experience. Worked as an MIS Executive and VBA Developer in 10+ companies and is a report consultant for 40+ organizations. Founder of IPT Excel School (2007), one of the first institutes offering live online Advanced Excel and MIS training. YouTube: Sujeet Kumar Advanced Excel Training in Hindi.

Join a free 3-4 day demo class. Call or WhatsApp Sujeet Sir on +91 88025 79388 and book your batch. Live online on Google Meet, in Hindi or English.