



VBA WITH EXCEL



**Duration: 40
Hours- 11 Days**



**Each Session
Time: 1 Hour (60
Minutes)**

**DAY-WISE SCHEDULE &
LEARNING ACTIVITIES**

DAY 01: INTRODUCTION TO EXCEL VBA

The Concept of Excel VBA

The Visual Basic Editor in MS Excel

Building Excel VBA using the Visual Basic Editor

Creating Macros

The Excel VBA 365 Code



DAY 02: VISUAL BASIC FOR APPLICATIONS WITH EXCEL



The VBA Integrated Development Environment (IDE)



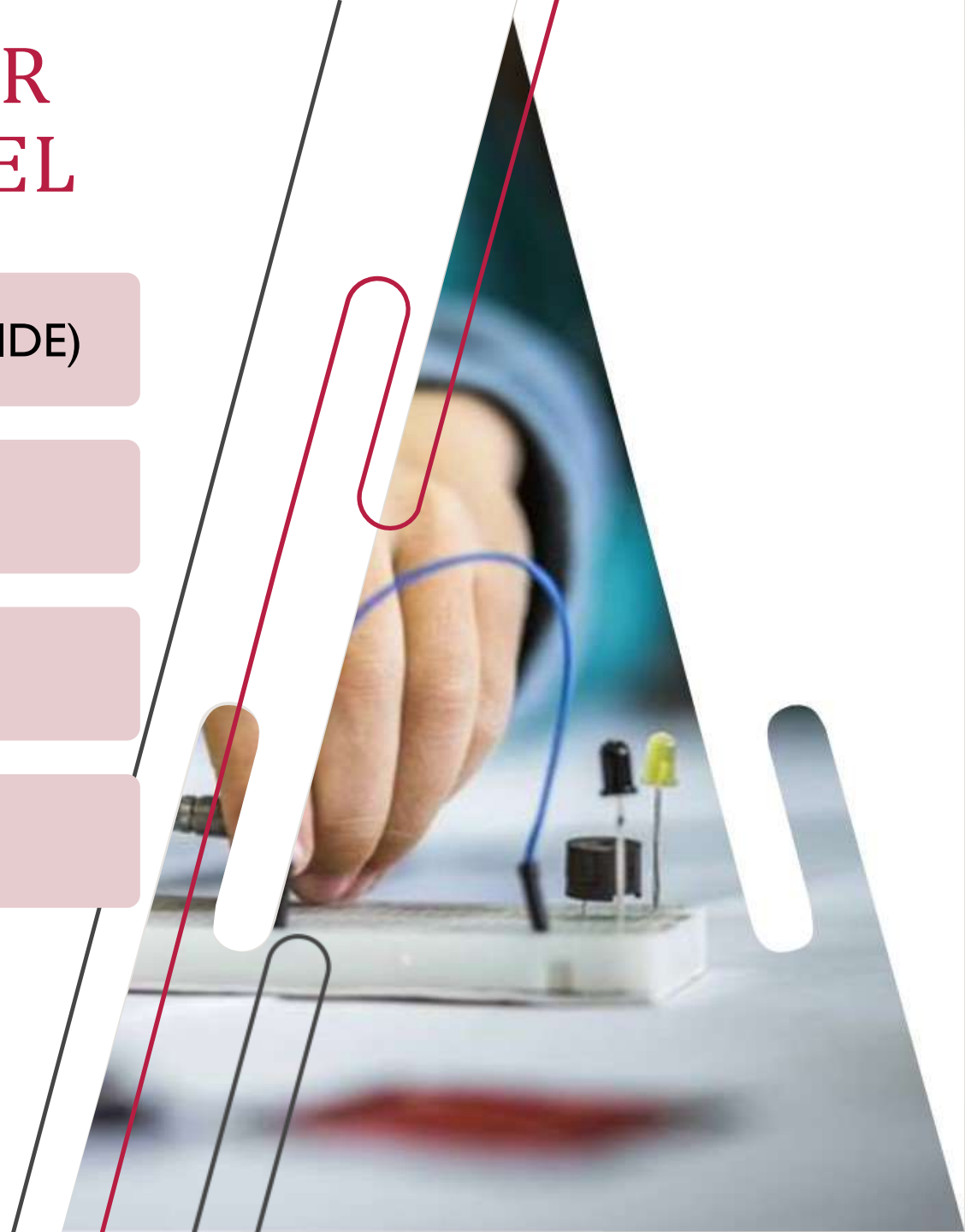
Programming Components within Excel



Getting Help with VBA

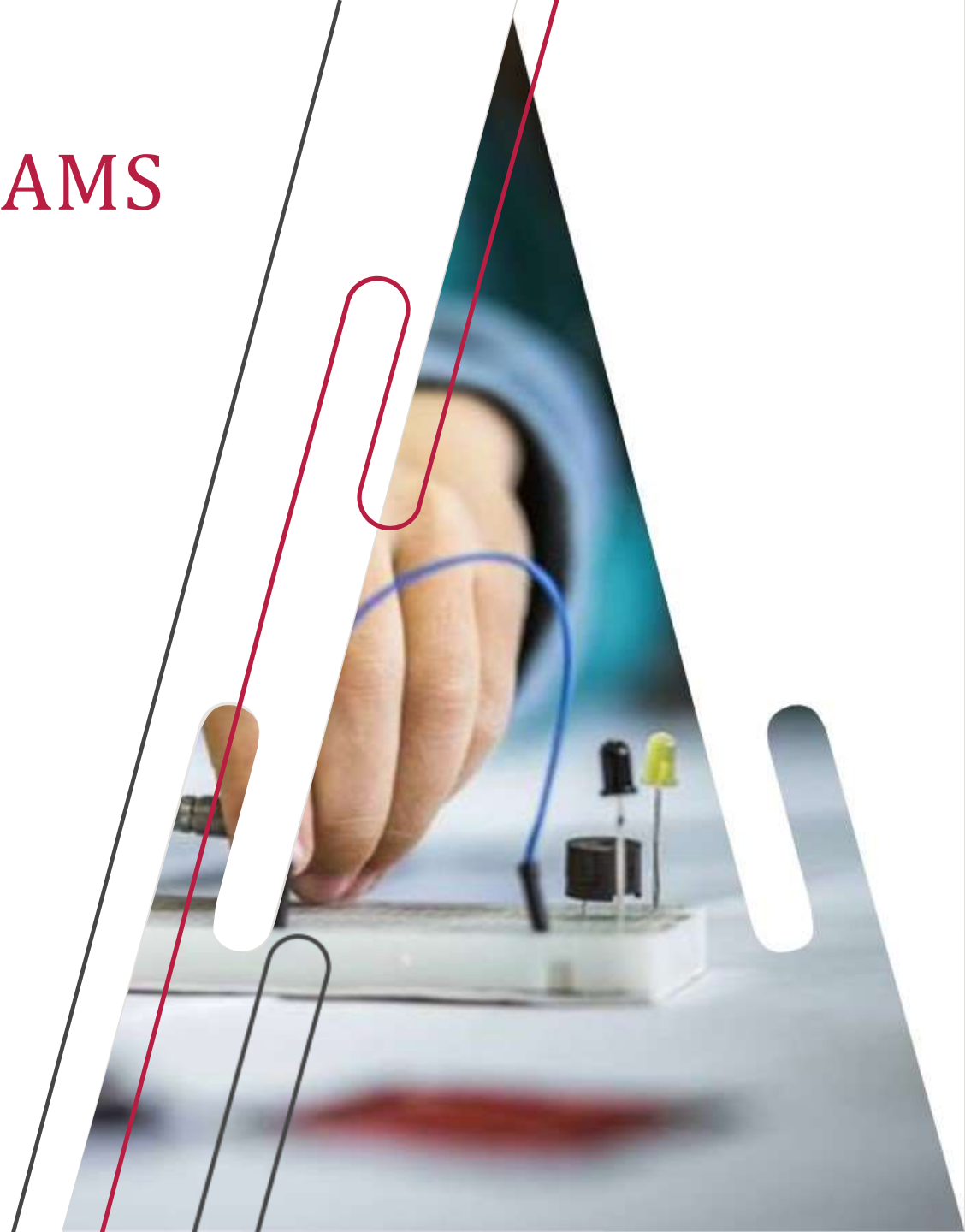


Constructing the Colorful Stats Program



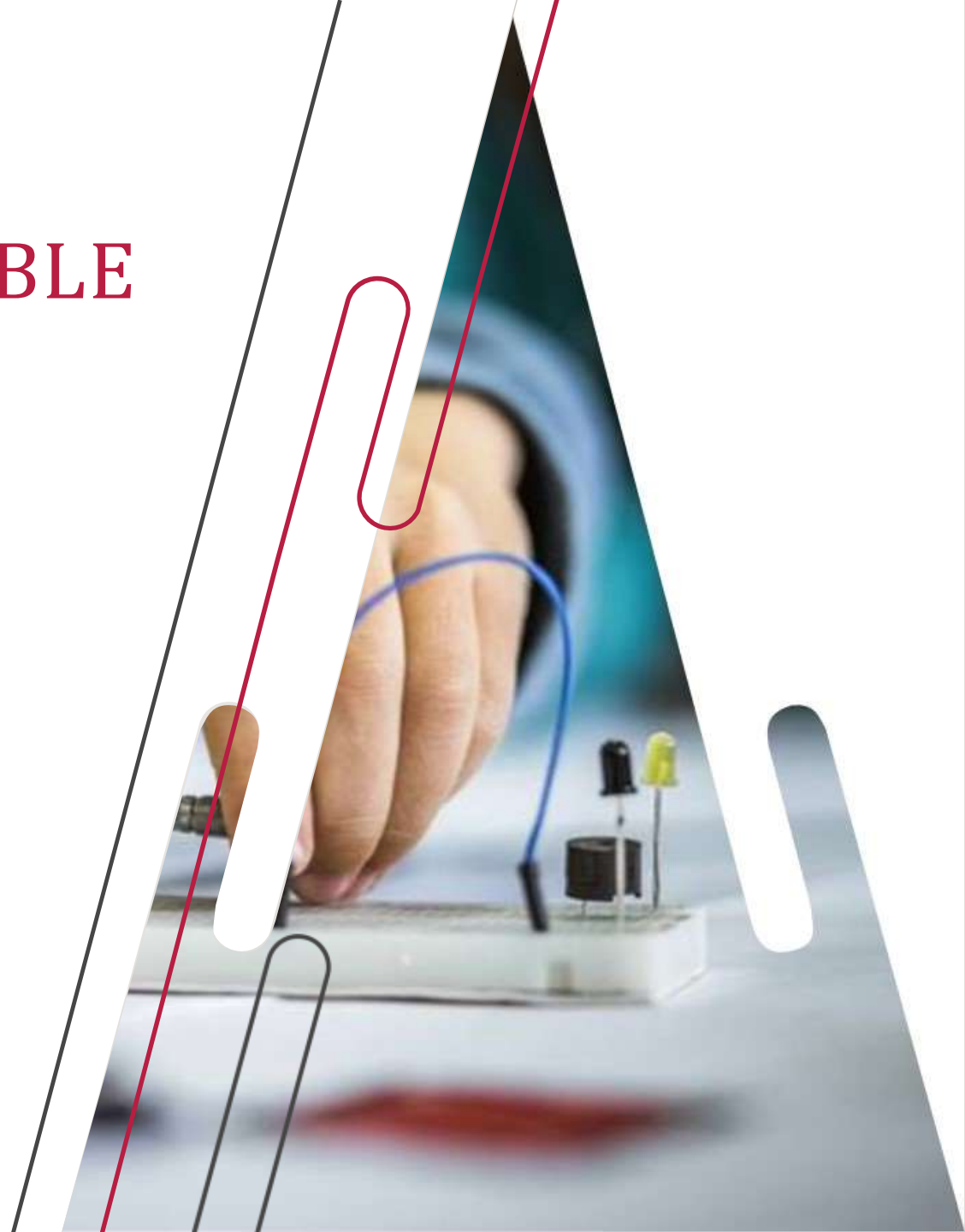
DAY 03: BEGINNING PROGRAMS WITH VBA

- ❖ Variables, Data Types, and Constants
- ❖ Simple Input and Output with VBA



DAY 04: VBA TOOLS VARIABLE

- ❖ VBA — Macro comments
- ❖ VBA — Message box
- ❖ VBA — variable



DAY 05: VBA — DECISIONS

- ❖ If Statement
- ❖ If Else Statement
- ❖ If Elseif - Else statement
- ❖ Nested If Statement
- ❖ Switch Statement



DAY 06:VBA — LOOPS

- ❖ For Loop
- ❖ For Each Loops
- ❖ While Wend Loops
- ❖ Do While Loops
- ❖ Do Until Loops
- ❖ Loop Control Statements
- ❖ Exit For
- ❖ Exit Do



DAY 07: VBA — STRINGS

- ❖ Instr
- ❖ InString Reverse
- ❖ LCase
- ❖ UCase
- ❖ Left
- ❖ Right
- ❖ Mid
- ❖ Ltrim
- ❖ Rtrim
- ❖ Trim
- ❖ Len



DAY 08: VBA – DATE-TIME FUNCTION

- ❖ Date Functions
- ❖ DateAdd Function
- ❖ Month Function
- ❖ Year Function
- ❖ Hour Function
- ❖ Minute Function
- ❖ Second Function
- ❖ Time Function



DAY 09: VBA — ARRAYS

- ❖ Array Declaration
- ❖ Assigning Values to an Array
- ❖ Multi-Dimensional Arrays
- ❖ ReDim Statement
- ❖ Array Methods
- ❖ LBound Function
- ❖ UBound Function
- ❖ Split Function
- ❖ Join Function
- ❖ Filter Function
- ❖ IsArray Function
- ❖ Erase Function



DAY 10: VBA – USER-DEFINED FUNCTIONS

- ❖ Function Definition
- ❖ Calling a Function



DAY 11: ADVANCE VBA WITH EXCEL

- ❖ VBA — ERROR HANDLING
- ❖ VBA — EXCEL OBJECTS
- ❖ VBA — TEXT FILES
- ❖ VBA — PROGRAMMING CHARTS
- ❖ 22. VBA — USER FORMS





THANK YOU