Microsoft Excel VBA and Macros

# **Project 4: Automate Excel Formulas with VBA**

In this project we’ll directly jump to VBA and start writing code to do apply AutoSum function for the report. Then we move towards adding code for looping through all the sheets and automating our task for all sheets.

## Step 1: Create a new Sub Procedure for AutoSum

*Public Sub LoopFunction()*

*Dim i As Integer*

*' loopoing for all sheets*

*i = 1*

*Do While i <= Worksheets.Count*

*' select the sheet and apply function*

*Worksheets(i).Select*

*AutomateSum*

*i = i + 1*

*Loop*

*End Sub*

*Sub AutomateSum()*

*Dim LastCell As String*

*' select the first cell*

*Range("F2").Select*

*' select the last cell and save it in variable*

*Selection.End(xlDown).Select*

*LastCell = ActiveCell.Address(False, False)*

*' doing the summation*

*ActiveCell.Offset(1, 0).Select*

*ActiveCell.Value = "=SUM(F2:" & LastCell & ")"*

*End Sub*

## Step 2: Create a Sub Procedure of Looping Through Sheets

## Step 3: Apply and Save Macros

* Developer > Code Block > Macros > Choose > Apply
* Click Save As > Change File Type > Save as Macros Enabled Worksheets