Sub ExtractMissingSSNIT()

Dim fso As Object

Dim mainFolder As String, outputFolder As String

Dim yearFolder As Object, file As Object, yearSubFolder As Object

Dim wb As Workbook, ws As Worksheet, destWB As Workbook, destWS As Worksheet

Dim masterWB As Workbook, masterWS As Worksheet

Dim lastRow As Long, checkRow As Long, copyRow As Range

Dim yearName As String, fileName As String

Dim destPath As String, filePath As String

Dim masterRow As Long, destRow As Long

Dim cleanedName As String

Application.ScreenUpdating = False

Application.DisplayAlerts = False

mainFolder = "C:\Users\USER\Desktop\ADONKO\_BITTERS"

outputFolder = "C:\Users\USER\Desktop\ADONKO\_EMPTY"

' Create FileSystemObject

Set fso = CreateObject("Scripting.FileSystemObject")

' Create ADONKO\_EMPTY folder if not exist

If Not fso.FolderExists(outputFolder) Then

fso.CreateFolder outputFolder

End If

' Create master workbook for all missing SSNIT rows

Set masterWB = Workbooks.Add

Set masterWS = masterWB.Sheets(1)

masterWS.Name = "Missing SSNIT"

masterRow = 1

' Loop through each year folder

For Each yearFolder In fso.GetFolder(mainFolder).SubFolders

yearName = yearFolder.Name

destPath = outputFolder & "\" & yearName

' Create year folder inside ADONKO\_EMPTY

If Not fso.FolderExists(destPath) Then

fso.CreateFolder destPath

End If

' Loop through all Excel files

For Each file In yearFolder.Files

If InStr(1, file.Name, ".xlsx", vbTextCompare) > 0 Or InStr(1, file.Name, ".xls", vbTextCompare) > 0 Then

filePath = file.Path

Set wb = Workbooks.Open(filePath, ReadOnly:=True)

Set ws = wb.Sheets(1)

' Create destination workbook

Set destWB = Workbooks.Add

Set destWS = destWB.Sheets(1)

lastRow = ws.Cells(ws.Rows.Count, "A").End(xlUp).Row

destWS.Cells(1, 1).Resize(1, 10).Value = ws.Rows(1).Resize(1, 10).Value ' copy headers

destRow = 2

' Loop through rows and check for empty SSNIT

For checkRow = 2 To lastRow

If Trim(ws.Cells(checkRow, 1).Value) = "" Then

ws.Rows(checkRow).Copy destWS.Rows(destRow)

ws.Rows(checkRow).Copy masterWS.Rows(masterRow)

destRow = destRow + 1

masterRow = masterRow + 1

End If

Next checkRow

' Save the file in the new folder only if data was copied

If destRow > 2 Then

cleanedName = Replace(Replace(file.Name, ".xlsx", ""), ".xls", "")

destWB.SaveAs Filename:=destPath & "\" & cleanedName & "\_EMPTY.xlsx"

End If

destWB.Close SaveChanges:=False

wb.Close SaveChanges:=False

End If

Next file

Next yearFolder

' Save master workbook

masterWB.SaveAs Filename:=mainFolder & "\ADONKO\_MISSING\_SSINITS.xlsx"

masterWB.Close SaveChanges:=True

Application.DisplayAlerts = True

Application.ScreenUpdating = True

MsgBox "Process completed. Missing SSNIT records copied to ADONKO\_EMPTY and summary file created.", vbInformation

End Sub