



## **ADVANCED OFFICE PACKAGE**

### **Beginners: Level 1**

Nature of the Course: Theory + Practical

Total Hours per Day: 2 Hours

Course Duration: 1 and Half Weeks

### **Course Summary**

The DWIT Training - MS Excel - Level 1 course is designed for those who want to learn how to:

- Navigate the Excel User Interface
- Calculate and Modify a Worksheet
- Basic Math and Statistics

Logic Function. This course is best suited for anyone who has some basic computer knowledge and wants to learn to make some data entry records and do some calculations such as making bills and keeping records, high school and university students (plus two, undergraduate, etc.) who want to do coursework, and someone who is already working as a record keeper and wants to make some official data records and create bills.

### **Completion Criteria**

After fulfilling all of the following criteria, the student will be deemed to have finished the Module:

- Has attended 90% of all classes held
- Has received an average grade of 80% on all assignments
- Has received an average of 60% in assessments
- The tutor believes the student has grasped all of the concepts and is ready to go on to the second module.

### **Required Textbooks**

- Excel All-in-one for Dummies 2019.
- Book 2: Slaying the Excel Dragon: A Beginners Guide to Conquering Excel's Frustrations and Making Excel Fun.
- Book 3: Excel Basics in 30 Minutes (3rd Edition): The Quick Guide to Excel 1

and Google Sheets.

## **Prerequisites**

- There is no prior educational level requirement for this course. ● If you are only interested in theory and have no interest/patience in spending at least 10 hours every week throughout the duration of the course, then this course might not be for you.
- If you have absolutely no idea about programming or do not see yourself doing programming in the next six -odd months, then this class may not be for you!

## **Course Details**

### **Week I**

#### **Getting Started with excel**

- Navigate the Excel User Interface
- Use Excel Commands
- Create and Save a Basic Workbook
- Enter Cell Data
- Use Excel Help

#### **Performing Calculations And Modify A Worksheet**

- Find and Select Text
- Modify Text
- Find and Replace Text
- Insert, Delete, and Adjust Cells, Columns, and Rows
- Search for and Replace Data
- Insert Comment

#### **Formatting A Worksheet And Printing Workbook**

- Modify Fonts
- Add Borders and Colors to Worksheets
- Apply Number Formats
- Align Cell Contents
- Apply Styles and Themes
- Apply Basic Conditional Formatting
- Create and Use Templates
- Preview and Print a Workbook
- Define the Page Layout

## **Basic Math And Statistics**

- Utilize basic mathematics including add, sub, multiplication and division in Excel
- Learn basic math function including SUM, ROUND, SUBTOTAL • Learn basic statistical function including COUNT, AVERAGE, MAX, MIN, MODE

## **Logic Function**

- Learn to build standalone logical IF function and make them
- More complex by nesting AND or OR within them

## **Week II**

### **Understanding Dates**

- Understand how dates works in Excel using the
- TODAY, YEAR, MONTH, DAY and DATE function

## **Labs**

Lab assignments will focus on the practice and mastery of contents covered in the lectures; and introduce critical and fundamental problem-solving techniques to the students.

## **Intermediate: Level 2**

Nature of the Course: Theory + Practical

Total Hours per Day: 2 Hours

Course Duration: 1 and Half Weeks

### **Course Summary**

The DWIT Training - MS Excel - Level 2 course is designed for beginners who wish to learn how to Create Charts, Analyze Data using Pivot Tables, Slicers and Pivot Charts, Goal Seek and Solver, and Use Macro in Microsoft Excel. This level of the course is best suited for anyone who has some basic computer knowledge and wants to learn more advanced skills in Excel, high school and university students (plus two, undergraduate, etc.) who want to do coursework, and individuals who are already working as a Data entry and want to learn more advanced skills in Excel.

### **Completion Criteria**

After fulfilling all of the following criteria, the student will be deemed to have finished the Module:

- Has attended 90% of all classes held
- Has received an average grade of 80% on all assignments

- Has received an average of 60% in assessments
- The tutor believes the student has grasped all of the concepts and is ready to go on to the second module.

## **Required Textbooks**

- Excel 2019 Bible
- Ctrl+Shift+Enter Mastering Excel Array Formulas
- Learn Excel 2016 Essential Skills with The Smart Method

## **Prerequisites**

- Successfully complete the entrance test with a score of at least 40% (for trainees directly applying to this level).
- Successfully complete the DWIT Training – Level 1 course (not applicable to trainees directly applying to this level).

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## **Course Details**

### **Week I**

#### **Optimizing Data**

- Sorting or Filtering
- Naming Ranges

#### **Visualizing Data With Basic Charts**

- Create Charts
- Modify and format Charts
- Analyzing Data with Pivot Tables, Slicers and Pivot Charts
- Resize an Image
- Create a PivotTable
- Analyze Pivot Table Data to Present Data with Pivot Charts
- Filter Data by Using Slicers

#### **Goal Seek And Solver**

- What-if Analysis Using Goal Seek
- Using Solver to complete A What-if

- Adding Constraints to Solver

## **Week II**

### **Macro And Conditional Format With Custom Rules**

- Apply Data Validation
- Work with form and Controls

### **Custom View And Scenarios**

- Add Quick Access to Custom View
- Editing and Deleting Custom View
- Setting up A Set of Scenarios
- Displaying and Editing Different Scenarios

## **Labs**

Lab assignments will focus on the practice and mastery of contents covered in the lectures and introduce critical and fundamental problem-solving techniques to the students.

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## **Advanced: Level 3**

Nature of the Course: Theory + Practical

Total Hours per Day: 2 Hours

Course Duration: 1 week

## **Course Summary**

The DWIT Training - MS Excel - Level 3 is designed to unlock the power of VLOOKUP in Excel with our concise course. Learn syntax, near match techniques, and effective lookup table management. Handle missing data seamlessly. Ideal for Excel users seeking advanced data retrieval skills. Confidently perform advanced data lookups and analysis using VLOOKUP, streamlining information retrieval tasks.

## **Completion Criteria**

After fulfilling all of the following criteria, the student will be deemed to have finished the Module:

- Has attended 90% of all classes held
- Has received an average grade of 80% on all assignments
- Has received an average of 60% in assessments
- The tutor believes the student has grasped all of the concepts and is ready to go on to the second module.

## **Required Textbooks**

- Excel 2019 Bible
- Ctrl+Shift+Enter Mastering Excel Array Formulas
- Learn Excel 2016 Essential Skills with The Smart Method

## **Prerequisites**

- Successfully completed the DWIT Training – MS Excel – Level 2 or obtained at least 40% score on the entrance exam.
- The latter case applies for new students that are directly attempting this training.
- Please note that this is a lab intensive course where the students will be expected to work on lab exercises for approximately half the duration of the session.

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## **Course Details**

### **Week I**

#### **Performing Data Lookups**

- VLOOKUP: Syntax and Usage
- Using A Near Match in the Lookup
- Managing the Lookup Table
- Dealing with Missing Data in A Lookup

#### **Automating Workbook Functionality**

- Apply Data Validation
- Work with form and Controls

#### **Working with Multiple Worksheets and Workbooks Simultaneously**

- Use Links and External References
- Consolidate Data

## **Labs**

Lab assignments will focus on the practice and mastery of contents covered in the lectures and introduce critical and fundamental problem-solving techniques to the students.

## **Learning Outcomes**

- Examine spreadsheet fundamentals and learn how to use Microsoft Office Excel.
- Make changes to a worksheet and a workbook.
- Use cell references to your advantage.
- Learn how to use formulae and functions.
- Make and edit graphs and charts.
- Sort and filter table data.
- Learn VLOOK UP functions
- Use pivot tables and charts to your advantage.