



AFCKS Technologies

Practical Applications of Advanced Excel

Introduction

Excel needs to be learned using Practical Examples which should be scientific, simple, step by step and easy to digest. This course helps students not only to understand Excel but also its practical usage in Work place.

Keeping this in mind there are 228 + Examples covered in the class, The duration is 4 Months on Weekends and 2 Months for Weekday Course.

You can find further explanation on <https://youtu.be/3qF-znfDpFg>

Examples and Concepts Coverage

- 001 - Fill Series and Stay in the same cell on enter
- 002C - Enter Current Date, Show Next Dates
- 003 - Date Operations
- 004 - Insert Current Date, Add Days to Dates, Autofill Dates
- 005C - Using Cell Reference instead of Fixed Values
- 006C - Color Dates falling within a given range
- 007C - Row Column Autofit, Zoom In zoom out, Enter Time
- 008C - Select Blank Cells and Delete Cells shift Up
- 009C - Enter time using Time Function, Clear Formats
- 010C - Show random time between 10 AM to 6 PM (Randbetween)
- 011C - Convert Time in Formula to Values
- 012C - Conditional Formatting with Time
- 013 - Getting Time Difference
- 014C - Manual and Automatic Range selection and Filling formulas
- 015C - Create Table and give it a meaningful name
- 016C - Add a Data validation list to cell
- 017C - Copying Validations to multiple cells
- 018C - Using Dynamic List, Auto Sum to calculate total time
- 019C - Get Total time spent on Tea Break (Sumif)
- 020C - Fixing Range to copy it to another cells
- 021C - Get Net Working Hours
- 022C - Removing Data validation by selecting all cells containing Data Validations
- 023C - Moving table to another sheet, Getting Validation List from another sheet, Create Template
- 024C - Show Total Work Hrs, Break and Net Hrs in Template
- 025C - Copy Formats
- 026C - Remove Negative Time (If Function)
- 027C - Using the Template

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- 028C - Color Cells when Break time exceeds limit (Conditional Formatting with Formulas)
- 029C - Create a Pie Chart to show Shift wise Analysis (Pie Chart, Time Concept)
- 030C - Add Validation to disallow Lower Time entry (Validation Decimal Greater than, Range Selection Methods, Act
- 031C - Add Validation using Formula
- 032C - Show Input Message and Error Alert Message in Data Validation
- 033C - Color Cells where start time precedes Shift timing and Timing not equal to zero (Conditional Formatting with
- 034C - Color Cells where End time exceeds Shift end time (Conditional Formatting)
- 035C - Observing Moving Range doesn't affects exiting Data validations, Conditional Formatting, formulas etc
- 036C - Using Template in Day to day work
- 037C - Show Dates in specific YYYYMMDD Format
- 038C - Transposing data from row to columns
- 039C - Manually Copying daily data (Transpose, Values, Remove Conditional Format, Format Painter)
- 040C - Using Concatenate to join text to be used for making sheet reference dynamic
- 041C - Making Sheet Name in Formula dynamic (Text Function)
- 042C - Converting Dynamic Link to Range reference, showing one example (Indirect Function)
- 043C - Make Formula common for all three columns (Column Function)
- 044C - Using IFERROR to ignore error, Applicable from 2007 onwards
- 045C - Hiding Negative and Zero values using Number Custom Formatting
- 046C - Create Random Time data using Upper and Lower Limit (Randbetween, Time)
- 047C - Fill Only Weekdays
- 048C - Show Total Hrs and Min by converting Number format
- 049C - Extracting Hours and Minutes (Int Function)
- 050C - Creating Pivot table and showing Row, Column & Filter
- 051C - Show Month wise Hours using Pivot table
- 052C - Color Chart Area, Plot Area, Series, Labels in Pivot Column Chart
- 053C - Using Slicer Timeline
- 054 - Joining First and Last Name using &
- 055C - Joining First and Last Name using Concatenate
- 056C - Showing Mr. Ms. in Person Name by considering Gender
- 057C - Show Miss or Mrs on the basis of Marital Status, Alt + Enter to make formula readable
- 058C - Custom Prefix to be added apart from normal Prefix
- 059C - Hiding unwanted columns using Group
- 060C - Checking Valid Mobile No (Len, IF)
- 061C - Add Check that Mobile number should greater than 7000000000 and Len = 10
- 062C - Color Invalid Mobile Numbers (Using Not, And)
- 063C - Add a Data validation to make user enter correct Mobile number only (Data Validation Custom, Formula)
- 064C - Change Cell format to Text to enter Country Codes
- 065C - Get Country codes by Country Names (Vlookup)
- 066C - Finding @ position and . After @ Position using Find
- 067C - Using IF and IsError to show Email ID if Valid and Invalid text if Invalid
- 068C - Using Combination technique to join formulas from multiple cells
- 069C - Find a valid email ID using Wildcards in Countif Function
- 070C - Convert Cell to Text, Using IF and Countif check if Correct Mobile Number
- 071C. - Using Rept Function to simplify formula
- 072 - Use Conditional Formatting with Formula to compare two list

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- 073C - Remove Conditional Formatting, Add Conditional Formatting not equal to 0
- 074C - Autosum, Insert Rows, F4 to repeat action
- 075 - Group Sheets and Perform Paste Special Values on All Sheets Together
- 076C - Take formula from different sheets, Conditional Formatting to color Positive and Negative, Equal Column Width
- 077 - Get Total for each product using Vlookup, Move and Insert Cells
- 078C - Using Extra Row to get Column Number
- 079C - Using Column Function to get Column Numbers automatically
- 080C - Using Vlookup with Column Function
- 081C - Using Match Function to get Column numbers dynamically
- 082C - Dynamic Lookup using Vlookup and Match Function
- 083CT - Show each product sales on Month selection from dropdown list
- 084CT - Transpose Table and fill values
- 085CT - Create table, select from dropdown and get sales
- 086CT - Product in dropdown and show Month wise sales
- 087C - Get Month wise data using Hlookup and Match
- 088C - Create a Line chart from Period data
- 089C - Edit Formula reference for Calculations and Chart
- 090C - Showing Dynamic Chart Headers
- 091C - Show Custom Dynamic Headers, Remove Gridlines & Value Axis, Add Data Labels
- 092C - Increase Line Width, Group Rows, Color Font color white- Chameleon technique
- 093 - Show Number format for showing 1 as Year and more than 1 as Years
- 094C - Show Green color when less than 10 Percent and Red when more than 10 Percent
- 095C - Multiple Conditions in Number format
- 096C - Calculate EMI using PMT Function
- 097C - Change Number formatting from Dollar to INR
- 098C - Get Rupee font before number
- 099C - Enter serial number using formula (Rows)
- 100C - Show monthly payment no only till no of years
- 101C - Get First Month Calculations
- 102C - Making Opening Balance formulas same for all rows (IF)
- 103C - Limit 0 Value only till Number of Instalments in Opening Balance
- 104C - Removing Error in Interest Calculation using IFError
- 105C - Make EMI and Closing Balance using IF
- 106C - Window Freeze Panes for proper display
- 107C - Enter Alternate colors using Conditional Formatting as Table will not solve our purpose
- 108C - Restrict Colors to until data only
- 109C - Finding the row number of Payment No Match item (Match Function)
- 110C - Get Cell Address from the matching Row No (Address)
- 111C - Make it a Dynamic Hyperlink (Hyperlink Function)
- 112C - Make Icon show the row where Payment no matches the desired Payment No
- 113C - Create a flowing data (Spinner button, Offset, Row, Column)
- 114C - Using Array create a flowing data
- 115C - Show Loan Amt, ROI, Years on the basis of Scrollbar Selection
- 116C - Showing Years and Months from Months (Int, IF, Mod)
- 117C - Calculate EMI (Merge, PMT Function)

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- 118C - Show Pie Chart to visualize Principal and Interest
- 119C - EMI Table (PMT, Formula referencing)
- 120C - Show in Green Color Fill all instalments coming within budget
- 121 - Import data from Web
- 122C - Single and Multi Column sort with Sr Numbers using Rows Function
- 123C - Convert Table to range as Subtotal is not available in Table
- 124C - Adding Subtotal to each State
- 125C - Select only Constants and replace comma with blanks
- 126C - Show Subtotals on button click using Macro Recording.xlsm
- 127C - Save back from xlsx to xls and select all Shapes to delete, Remove Outlines
- 128C - Remove Duplicates, Add and Remove Auto Filter, Filter by Total, Delete Cells shift Up, Sort, Select Visible Cells
- 129C - Summarize by State Population (Sumif, Remove Formatting, Create table with Name)
- 130C - Classify Population using Vlookup Approx. Match and give name to table
- 131C - Show Cities falling under range (Use Table name instead of Name, Correct formula, Countif)
- 132C - show Cities having Population greater than 60 Lacs (Advanced Filter)
- 133C - Link Text with Spinner Control Using Index
- 134C - Restrict upper value to rows count (Count, IF, Index)
- 135C - Filter Data on Spinner Click.xlsm
- 136C 365 - Using Filter function show Filtered data
- 137C 365 - Two conditions for Filter
- 138C 365 - If no data then show blank
- 139C 365 - using Unique function to get Unique values or remove duplicates
- 140C 365 - Enter Array Formulas reference in Data Validation List
- 141C 365 - Sorting States in Descending Order
- 142 - Custom List
- 143C - Custom Sort
- 144C - Using If to show data only once if repeated
- 145C - Show data multiple times if is coming only once
- 146C 365 - Unique and Transpose
- 147C - Show regions in a given column only
- 148C - Get Min Max and Average of each regions
- 149 - Get In and out time by using Minifs and Maxifs
- 150C - Get time difference and number format
- 151C - Get Net time and Break time
- 152 - Create sales data for Ageing
- 153C - Create Date Ranges using Ampersand
- 153C - Enter Due Date Classification in Column
- 154C - Show classification in tabular form
- 155C - Using Subtotal Function for showing Sum in Filtered ranges
- 156C - Create Pivot table to show total Sales as per classification
- 157C - Manual Sorting the Pivot table
- 158C - Show Pie Chart showing Ageing
- 159 - Remove Duplicates from Multiple columns
- 160C - Multi Column Sorting
- 161C - Using Sumifs to get Total using three criteria's

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- 162C 365 - Filter data using Filter Function using three criteria's
- 163C 365 - Get Single column Filtered data result from multiple columns Criteria's
- 164C 365 - Add Comma at the end to Filtered Data Array
- 165C 365 - Combine all comments separated by a Comma sign
- 166C 365 - Using Left, Len, Filter, Concat show multiple comments together
- 167C 365 - Getting Calc error when there is no data available
- 168C 365 - Add comma to Filtered result and Concat
- 169 - Show only West region data
- 170C - Change filter on the basis of Spinner selection and Macro Recording.xlsm
- 171C - Show Data from West Region pertaining to Binders (And Condition)
- 172C - Get only specific columns
- 173 - Advanced Filter with AND Condition in dates
- 174C - Filter data by using Date range, Advanced Filter and Macros.xlsm
- 175 - Showing only Few customers data
- 176 - Pull Column data without sequence and without using Criteria
- 177 - Pull unique columns from data
- 178 - Complex Condition Advanced Filter
- 179 - Advanced Filter Data by Year using Formula and Macro.xlsm
- 180 - Show Data from qtr. and Year selection using Advanced Filter and macro.xlsm
- 181C - Calculate financial Year and show filtered data on that basis.xlsm
- 182 - DSum using Complex Criteria
- 183C - Dsum, DCount, DAverage
- 184C - Use indirect to make formula dynamic
- 185 - Creating Stacked Column chart using Sumifs, IF
- 186C - Creating Stacked Column Pivot chart
- 187 - Create a Stacked Column Pivot Chart showing Sub Category and Qtrs
- 188c - Stacked Column Pivot Chart
- 189C - Show yearly cumulative data Column Chart
- 190C - Add Years to slicers
- 191C - Show comparison of Cumulative as well as Sales
- 192C - Using Slicers
- 193C - Creating multiple pivot tables
- 194C - Create Pie, Column, Bar, Stacked Column Chart
- 195C - Charts Arrangement in Dashboard
- 196C - Add Data Labels and remove Legends
- 197C - Sorted in Descending order by Sales, Show only Top 10
- 198C - Show category in reverse Order
- 199C - Change Chart Color Combinations
- 200C - Fill Colors in Chart
- 201C - Arranging Charts
- 202 - Convert text to numbers and divide by 100 using Paste Special
- 202 - Data of Top 500 Indian Companies Financial Data Summary for Year 2020
- 203C - Use GetPivotData function to calculate Profit Percentage
- 204C - Use Calculated Items to calculate Profit Percentage
- 205C - Using Calculated Fields to get Previous Year Sales

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- 206C - Show Percentage as line and Target and Actual as Column Chart
- 207C - Show Target and Actual Comparison
- 208C - Show Actual in Line Chart
- 209 - Employees Names
- 209 - Split Employee Name in First and Last Name
- 210C - Get First and Last Name dynamically
- 211C - Split First and Last Name using Flash Fill (2013 onwards)
- 212C - Split First and Last Name using Text to columns
- 213C - Split First and Last Name using Find & Replace
- 214 - Get Dates correctly in Excel
- 215 - Sorting by Rows
- 216 - Text to columns skip Columns
- 217 - Create a payslip with dynamic changing data based on Spinner Control
- 218C - Using Macro link with spinner and print to PDF, Don't print Spinner.xlsm
- 219C - Hide unhide sheets with and without Workbook Protection (Password afcks).xlsm
- 220c - Give password or Encrypt Workbook with password both Old and New method.xlsm
- 221C - Change Payslip content with Spinner change but don't allow any selection from user.xlsm
- 222C - Select only other than payslip region.xlsm
- 223 - Create Scenarios for Employee ratings and Salary
- 224C - Assign Scenarios to buttons using Macros.xlsm
- 225 - For 15K PMT calculate Loan Amount and NPER using Goal Seek
- 226 - Pareto Analysis
- 227 - Color Above average with Green and below average with Red
- 228 - Consolidate data in one file from multiple files using Power Query