



TECHNICAL GUFTGU

Established Under Ministry of Micro, Small and Medium Enterprises, Govt. of India

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Website: www.technicalguftgu.in

- ✓ Certificate provided
- ✓ Recordings Provided
- ✓ In Hindi
- ✓ Expert Trainers

Data Analytics-Zero to Hero

Pre- requisite – Basic Knowledge of Python is Required.

Course Content

Module 1: Introduction to excel

1. Ribbon and its tabs
2. Name Box
3. Formula Bar
4. Exploring Data Types
5. Using AutoFill to enter a series of values
6. Sorting with a Custom List
7. Flash Fill
8. Introducing Formulas and Functions
9. Understanding Formulae - Basics
10. Using functions in your formulas

Module 2: Cell and Range References

1. What's in a Name?
2. Scope of a Name
3. Working with Names
4. Referencing names
5. Referencing names from another workbook
6. Relative Reference
7. Absolute Reference
8. Mixed Reference

Module 3: Formula

1. Text Formula Left,Right,Mid,Trim,Upper,Lower,Proper
2. Basic Maths & Stats Formula, Sum,Average,Product,Count,Max,Min Functions
3. Date & Time Formula, Date, Time, Year,Weekday,Month,NetworkDay etc

Module 4 :Lookup Functions

1. Simple Vlookup, Hlookup, Xlookup Function
2. Vlookup with approximate match option
3. Match Function
4. Vlookup and Match Function
5. Vlookup from Multiple Sheets
6. XLOOKUP Funtion

Module 5 :Functions

1. If,NestedIf,Iferror
2. Indedx + Match
3. Offset + Match
4. Sumif,Countif
5. Data Cleaning

Module 6 :Using Power Query Editor

Module 7:Formatting

1. Conditional Formatting
2. Custom Formatting
3. Data Validation

Module 8:Table & Pivot Tables

1. Custom sort
2. Auto, Custom, & Advanced Filter
3. Sort & Filter and FUNCTIONS
4. Converting to Table

Module 9:Data Visualisation using Excel

1. Create Pivot Table
2. Calculated Values

3. Report
4. Pivot Slicers
5. Time line

Module 10 :Data Import & Data Integration using

Power Query Editor

1. Exploring different data import options
2. Append Query
3. Merge Query
4. Folder Approach

Module 11

1. MySQL Installation guide Connection & set up
2. DDL, DML, DCL in SQL

Module 12

1. Data type of SQL
2. Create, Insert, Update, Alter, Delete, Drop, Truncate Operations

Module 13

1. Views in SQL
2. Operators in SQL

Module 14

1. WHERE clause, ORDER BY clause, GROUP BY & Having Clause
2. Aggregations Group Concat & Roll UP
3. CASE-WHEN Statement

Module 15

1. Joins in SQL - Inner, Left, Right, Full, Self
2. Correlated subqueries IN, NOT IN, ANY, ALL, EXISTS, NOT EXISTS

Module 16

1. Window Functions
2. Frame Clause in Window Functions
3. Common Table Expressions - Recursive, Iterative

MODULE 17: POWER BI UNDERSTANDING AND LOAD

- 1.Introduction to Business Intelligence
- 2.Introduction to Power BI Products
- 3.Power BI Architecture understanding
- 4.Data Load

LE 18: POWER QUERY EDITOR

MODU What is Power Query Editor?

2. Managing Rows and Columns
3. Date Transformation In Power BI
4. Number Transformation
5. Group By In Power Query Editor
6. Text Transformation
7. Replace Fill And Data Type
8. Pivot And Unpivot In Power BI
9. Merge Query In Power Query Editor
- 10 Append Queries In Power Query Editor

MODULE 19: SETTING UP DATA MODEL

1. What Is Data Modeling?
2. Data Modeling Demo
3. Date Dimension Table

MODULE 20: DATA VISUALIZATION

1. Matrix Visual
2. Conditional Formatting
3. Funnel Chart
4. Percentage Calculations
5. Treemap Chart
6. Ribbon Chart
7. Waterfall Chart
8. Slicers
9. Map Charts
- 10 Specific Location Map Chart
- 11 Edit Interactions In Power BI
- 12 Scatter Plot Chart
- 13 Q And A - AI Visual
- 14 AI Visuals Key Influencer in Power BI
- 15 Histogram Chart

MODULE 21: DAX CALCULATIONS

1. DAX Basics Understanding
2. Diffrence between Calculated Column and Measure

3. If Logical Function
4. Switch And Iferror
5. Text Function
6. Format Function
7. All Function
8. Related Function
9. Filter Function
10. Use Relationship Function
11. Calculate Function
12. Iterators
13. DATESMTD, DATESQTD AND DATESYTD

14. Previous Day, Previous Month, Previous Quarter And Previous Year
15. Same Period Last Year Function DAX
16. Dates In Period (Moving Average Calculations)
17. Dates Between

MODULE 22: Project Designing Dashboard

1. Basics of Dashboard Designing & Report
2. Dashboard Creation
3. Dashboard Practice

MODULE 23: Data Analysis with Python

- 1.Numpy in Python
- 2.Pandas Data Frame And Series
- 3.Data Manipulation With Solution
- 4.Reading Data From Various Data Source Using Pandas
- 5.Data Visualization With Matplotlib
- 6.Data Visualization With Seaborn

KEY HIGHLIGHTS OF THIS TRAINING PROGRAM:

- ✓ Entire training programme is in Hindi Language for Better understanding.
- ✓ Special focus on Non technical and Fresher candidates.
- ✓ Provides Recording of each live session which you can access from anywhere anytime for One year.
- ✓ Interview Cracking tips during live sessions.
- ✓ Doubt clearing session will be provided.
