Why Bhangale Software ?

- Expert Faculty with Hands-on Experience
- Industry Based Course Curriculum
- Lab Questions Support
- Job Readiness Guidance
- Accessibility to Faculty

TOOLS AND TECHNOLOGIES COVERED

Excel
Basic and Advanced

Tableau

MySQL

Power BI

R Programming

Python

LEARNING PATH

Lab Questions Support

Job Readiness Guidance

Get Trained

Interview Preparation Support

About Us

BHANGALE SOFTWARE OPC PVT LTD, OUR JOURNEY BEGAN IN NOVEMBER 2022 WHEN OUR VISIONARY DIRECTOR, ANIL BHANGALE, TOOK THE BOLD STEP OF FOUNDING A COMPANY DRIVEN BY PASSION, INNOVATION, AND A COMMITMENT TO EXCELLENCE. ANIL'S UNWAVERING DEDICATION AND FORESIGHT HAVE BEEN INSTRUMENTAL IN STEERING OUR ORGANIZATION TOWARDS GROWTH AND SUCCESS.

Accreditation / Business Partners

FAQs

What are the pre-requisites to attend Data Analyst course?

A fresher or professional from any stream who is interested in analyzing the data with latest tools that do not require programming.
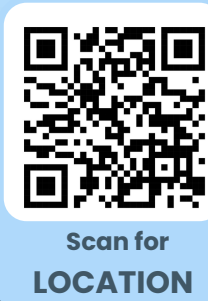
Any Job Assistance ?

Yes ! we are providing placement assistance & Guidance to showcase your profile on different job portals.

Our Location

G-1, Kalika Prasad CHS LTD, Sahyog mandir Road, Ghantali, Thane, 400602

Scan for LOCATION

📞 +91 93210 05798 , +91 98190 70189

🌐 bhangalesoftwares.co.in

BHANGALE SOFTWARE OPC PVT LTD

DATA ANALYST / DATA ANALYTICS

Unlocking Insights for Strategic Decision-Making

COURSE AGENDA

Advanced Excel

Topic	Description
Introduction to Excel	MS office Versions, Interface, Row and Columns, Keyboard shortcuts for easy navigation, Data Entry, Find and Select, Clear Options, Ctrl+Enter, Formatting options
Referencing, Uses, Named Ranges, Arithemetic Functions	Mathematical calculations with Cell referencing, Functions with Name Range, Arithmetic functions: SUM, SUMIF, SUMIFS, COUNT, COUNTA, COUNTIFS, AVERAGE, AVER- AGEIFS, MAX, MAXIFS, MIN, MINIFS
Logical functions	Logical functions: IF, AND, OR, NESTED IFS, NOT, IFERROR, Usage of Mathematical & Logical functions nested together
Referring data from different tables	LOOKUP, VLOOKUP, NESTED VLOOKUP, HLOOKUP, INDEX, INDEX WITH MATCH, FUNCTION, INDIRECT, OFFSET
Advanced functions	Combination of Arithmatic, Logical, Lookup functions, Data Validation
Date and Text Functions	Date Functions: DATE, DAY, MONTH, YEAR, YEARFRAC, DATEDIFF, EOMONTH; Text Functions: TEXT, UPPER, LOWER, PROPER, LEFT, RIGHT, SEARCH, FIND, MID, TTC, Flash Fill
Data Handling	Number Formatting, Converting into an Excel Table, Format- ting Table, Remove Duplicate, SORT, Advanced Sort, FILTER, Advanced Filter
Data Visualization	Icon sets/Highlighted colour sets/Data bars/custom formatting), Charts
Data Summarization	Pivot Reports: Crosstable Reports; Filter, Pivot Charts, Slicers: Connect to multiple reports and charts, Calculated field, Calculated item, Dashboards, Use of Slicers, Design and placement
Connecting to Data	Power Query, Data Cleaning, Transforming, Loading Data into Excel Query, Using Loaded queries, Merge and Append, Insert Power Pivot, Similarities and Differences in Pivot and Power Pivot reporting. Getting data from databases, work- books, webpages
VBA and Macros	View Tab, Add Developer Tab, Record Macro: Name, Storage Record Macro to Format table(Absolute Ref), Format table of any size(Relative ref), Play macro by button, shape, as command(in new tab), Editing Macros, VBA Introduction, Subs, Ranges, Sheets. Comparing values and conditions,

MySQL

Topic	Description
Introduction to Mysql	Databases, RDBMS & types, Software Installation (MySQL Workbench)
SQL Commands and Data Types	SQL Commands: DDL, DML, DQL, DCL,TCL and their applications, Data Types in SQL,
Case When Then and Handling NULL Values	Usage of Case When then to solve logical problems and handling NULL Values (IFNULL, COALESCE)
Group Operations & Aggregate Functions	Group By, Having Clause. COUNT, SUM, AVG, MIN, MAX, COUNT String Functions, Date & Time Function
Constraints & Joins	NOT NULL, UNIQUE, CHECK, DEFAULT, Keys, Joins: Inner, Left, Right, Cross, Self, Full, Outer
DDL, DML & TCL Commands	Create, Drop, Alter, Rename, Truncate, Modify, Comment, DML: Insert, Update & Delete, TCL: Commit, Rollback, Save- point and Data Partitioning
Indexes, Views & Stored Procedure	Indexes & Types, Views, Procedures: IN Parameter, OUT parameter, INOUT parameter
Function, Constructs, Union, Intersect & Sub-query	User Define Function, Window Functions - Rank, Dense Rank, Lead, Lag, Row_number, Union, Union all, Intersect, Sub Queries, Multiple Query
Exception Handling	Handling Exceptions in a query, CONTINUE Handler, EXIT handler
Triggers	Triggers - Before	After DML Statement

Tableau

Topic	Description
Introduction to Tableau	Tableau, Data Visualization, Tableau Products, Tableau Desktop Variations, Tableau File Extensions, Data Types, Dimensions, Measures, Aggregation concept, Tableau Desktop Installation, Data Source Overview, Live Vs Extract
Basic Charts & Formatting	Worksheet sections, Shelves, Charts, Symbol Map & Filled Map, Text Table, Highlight Table, Formatting, Marks Card
Filters	Filters, types of Filters, Extract, Data Source, Context, Dimen- sion, Measure, Filters, Order of operation of filters, Cascading
Calculations	Need for calculations, Types: Basic, LOD's, Table
Data Combining Techniques	What is Data Combining Techniques?, Types Joins, Relationships, Blending & Union
Custom Charts	Types of Charts: Axis, Donut, Lollipop, KPI Cards
Analytics & Dashboard	Groups, Bins, Hierarchies, Sets, Parameters, Reference Lines, Trend Line, Dashboard Overview & formatting, Filter, High- light, URL, Sheet, Parameter, Set, Convert to Tableau Public website

Power BI

Topic	Description
Power BI Introduction and Installation	Power BI Background, Power BI Installation and check list, Formatting and Setting prerequisites, Power BI desktop & Power Query
The Power BI user interface	Interface of BI Query & Desktop, types of Visualisation, Loading data, Data type, default charts, Map integration
Sample dashboard with Animation Visual	Financial sample data, sample dashboard, Map visual Types and usages, Scatter Plot charts
Power BI artificial intelligence Visual	Use of AI, AI analysis using chart, Q&A chat bot, Hierarchy tree
Power BI Visualization	Column Chart, Line Chart, Conditional formatting & techniques.
Power Query Editor	Data from folder, Power Query: Promote header, Split to limiter, Add columns, append, merge queries etc.
Modelling with Power BI	Loading data from different format, Modelling: Connection, Data cardinality, Filter direction, Dashboard
Power Query Editor Filter Data	Power Query Custom & Conditional Column, Manage Parameters, Filters and types, Trend analysis, Future forecast
Customize the data in Power BI	Tool tips, Drill Down, Visual interaction and customisation, Drill through function and usage, Button triggers, Bookmark, Navigation buttons
Dax Expressions	DAX Introduction, Table Dax, Calculated column, DAX measure and difference, Quick Measure, Lookup value, switch, Datedif, Rankx, Date functions, Remove filters, Keep filters, All, Allselected, Time Intelligence Functions, Rolling average, YoY, Running total
Custom Visual	Custom visual and understanding, Loading custom visual, Pinning visual, Publishing Power Bi
Power BI Service	app.powerbi.com, Schedule refresh, Data flow, power bi online, Download data

Business Statistics

Topic	Description
Business Statistics	Data Types, Measure of Central Tendency, Measures of Dispersion, Skewness & Kurtosis, Box Plot, Random, Variable, Probability, Probability Distribution, Sampling Funnel, Central Limit Theorem, Confidence Interval, Introduction to Hypothesis Testing, Anova and Chi-Square Test, Data Cleaning, Scatter Diagram & Correlation Analysis

Python

Topic	Description
Python	Intro to Python, Variables, Data Types, Data Structures, Loops, Functions, Pandas, Numpy, Matplotlib, Seabom

R Programming

Topic	Description
R	Intro to R, Data Types, Data Structures, Decision Making Statements, Loops, Dplyr Package, Visualizations