About QuickXpert Infotech

QuickXpert Infotech provides professional training on some of the most updated, industry-designed certification & job-oriented training programs to both students & corporate from experts in classroom & online training format. Our wide range of courses blended by our placement process have helped students from both IT & non-IT fields to make career in IT Industry!

- **IT Courses - 1000+ Companies - 1000s Trained – Since 2014!**

Courses Offered – JAVA, Dot Net, Software Testing, Web Development, Oracle Developer & DBA, MySQL, SQL Server, Digital Marketing, Python, Data Science & A.I., Data Analytics, Tableau, Power BI, R Programming, Hadoop, Android, Flutter, Salesforce, ServiceNow etc. please visit website for details.

Our Live Projects – MarriageOnix.com, BiodataKing, CRM Support etc

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About The Course & Why it Best?

Data is vital part of every company for its growth. Analytics means to extract meaningful information from the data in form of charts, dashboards, summary reports etc required for top management to analyze company's performance and growth prediction. Hence many companies use either Tableau or Power BI as Analytics Tool along with core technologies like SQL, Python, Adv. Excel to meet their Data Analytics requirements. Our Training Program meets all these requirements and hence best in industry where you will be learning both data analytics tools and core technologies in same course making you perfect fit for the companies for their Hiring purpose. Check recent placed students on our Google page / website. Many of our students have got 3 Lpa or above package even at fresher level!

Who Can Learn?

Both IT & non-IT candidates either fresher or experienced.

Duration

- **6 months**

Job Roles Targeted

- **Data Analyst**
- **Business Analyst**
- **Data Engineer**
- **Data Specialist etc.**

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Tools You Will Learn

python™

ANACONDA.

NumPy

pandas

matplotlib

SQL

tableau

Excel Analytics

Power BI

Syllabus mentioned below:

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Oracle SQL / Database Syllabus

Installation & Configuration

Design Database

- Create Tables
- Implementing Foreign Keys
- Using Auto Increment

Constraints

- Foreign Keys & index
- Primary key & index
- Unique key & index
- Not null constraint

Indexes

CRUD Operations

- Create
- Read
- Update
- Delete

Select Queries

- Basic Queries
- Using AND conditions
- Using OR conditions
- Using in, between, distinct and like keywords
- Sorting in ascending and descending order

Functions

- Basic functions like lower case, upper case etc.
- Complex functions like position, left and ifnull

Groups

- Basic Queries
- Using Having Clause
- Multi column groups

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❖ Joins

- Creating Foreign Keys and use them in Joins
- Inner Join or Natural Join
- Left Outer Join
- Right Outer Join
- Full Outer Joins
- Complex Join Queries etc

❖ Views & Inline Views

❖ Subquery

❖ Create Complex Queries

- Using Joins, Groups, Views & Subquery all together
- Creating tables using queries
- Inserting, Update & Delete using Select Queries

❖ Project

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Tableau

Introduction to Tableau

- Architecture
- Data Model
- Data Connection with single data sources
- Data Joins
- Working with multiple data sources
- Data Blending
- Difference between joining and blending data

Tableau Interface

- Measures and dimension
- Shelves
- Show me
- Data Types
- Default Properties
- Marks Card
- Page Shelf
- Saving and sharing your work-overview
- Difference between .twb and .twbx
- Discrete vs Continuous

Date Aggregations and Date parts

- Cross tab
- Totals & Subtotals

Chart Types

- Bar Charts & Stacked Bars
- Pie Chart
- Line Graph with Date
- Line Graph without Date
- Area charts
- Tree Map
- Word Cloud

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- Packed Bubble
- Box & Whiskers Plot
- Scatter Plots
- Highlight tables
- Heat maps

❖ Data Visualization

- Geographical fields
- Map options

❖ Run Time Columns

- Calculated Fields
- String Calculation
- Data Calculation
- Logical Calculation
- Numeric Calculation
- Parameters
- Table Calculations
- Level of detail

❖ Data Formatting

- Legends
- Highlights
- Labelling
- Number Formats
- Alignment

❖ Advanced Functionalities

- Sorting
- Groups
- Sets
- Hierarchy
- Reference and Trend Lines
- Edit Axis
- Bins

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❖ Filters

- Dimension Filter
- Measure Filter
- Filter - Display Option
- Context Filters
- Relevant Filters
- Sets in filters
- Conditional Filters

❖ Advanced Charts

- Pareto
- Waterfall
- Funnel
- Waffel Chart

❖ Dashboards

- Dashboard Objects
- Dashboard Actions
- URL
- Highlight
- Filter
- Advanced Interactivity
- Publish to Web

❖ Case Studies / Project

- Data Visualization (creating Charts, Dashboards etc.)
    - On Data from SQL
    - On Data from Python
    - On Data from CSV files

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Python & Python Analytics

❖ Python Programming

- Installing Anaconda & Python v3 | Git Bash
- Basics - variables, constants etc.
- Python Programming - If..else, while loop, for loops etc.
- Logic Building Sessions
- Functions
- Classes
- OOPs
- Collections
  - List
  - Dictionary
  - Tuple
  - Array
  - Set
- Exception Handling
- SQL Database Integration
- File IO

❖ Data Analytics in Python

- Installing & Understanding Analytics Packages
- **NumPy** Array Operations
- **Pandas** Data Frame Operations
- Data Acquisition (Import & Export)
- Indexing
- Selection
- Sorting
- Filtering
- Group By
- Binning
- Concatenation
- Merge
- Append
- Drop

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❖ Data Visualization in Python

- Installing Libraries
  - Matplotlib
  - Seaborn
- Charts & Plots
  - Histogram
  - Scatter Plots
  - Box Plots
  - Line Chart
  - Bar Chart
  - Pie Chart etc.
- Dashboards
- Project

Excel Analytics

❖ Working with Spreadsheets

❖ Excel Common Functions

- Len
- Conditions functions
- V Lookup
- Rank
- Grouping Functions : Sum, Avg, Min, Max, Count & CountA

❖ Pivot Tables

❖ Charts

- Bar Chart | Pie Chart | Line Chart | Bubble Chart etc
- Stacked Bar Chart
  - Horizontal
  - Vertical

❖ Excel Dashboards (Project)

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Power BI

Introduction to Power BI

- What is Power BI and Why Power BI
- Installing Power BI Desktop
- Exploring the Power BI Workflow
- Adjusting the settings of the Power BI Desktop
- Comparison of Power BI vs Other Reporting Tools

Getting and Transforming Data with Power BI Desktop

- Connecting to different sources
- Different connecting Options(DirectQuery vs Import Data Vs Live Connection)
- Shaping and transforming data with Power Query
- Editing,Merging,Appending queries etc

Modeling with Power BI

- Introduction to Modeling
- Building Relational Models(Setup and Manage Relationships)
- Creating table relationships
- Understanding the filter flow
- Cardinality and Cross filtering

DAX

- Understanding Dax Syntax
- Calculated Columns vs Measures
- Common Dax functions and formula
- understanding the evaluation context in DAX

Visualising Data with Reports

- Creating Visualisations
- Color & Conditional Formatting

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- Setting Sort Order
- Scatter & Bubble Charts & Play Axis
- Tooltips
- Slicers, Timeline Slicers & Sync Slicers
- Cross Filtering and Highlighting
- Visual, Page and Report Level Filters
- Drill Down/Up
- Hierarchies
- Constant Lines
- Tables, Matrices & Table Conditional Formatting
- KPI's, Cards & Gauges
- Map Visualisations
- Custom Visuals
- Managing and Arranging
- Drillthrough
- Custom Report Themes
- Grouping and Binning
- Bookmarks & Buttons

❖ Introduction to Power BI Service

- Introduction to the Power BI Service
- Quick Tour of Power BI Service
- Connecting to Data from Power BI service
- Building Blocks of Power BI Service

❖ Sharing and Collaboration Tools in Power BI Service

- Sharing and Collaboration Options Overview
- Publish from Power BI Desktop
- Publish Reports to Web
- Printing and Exporting from Power BI Service
- Sharing Reports & Dashboards
- Workspaces (My Workspace vs App Workspace)
- Publishing Apps in Power BI Service
- Row Level Security in Power BI Desktop and Service

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❖ Power BI Gateway and Refreshing Datasets

- Understanding Gateways in Power BI
- Difference between Personal and On-Premise Gateway
- Installation of Personal Gateway
- Installation of On Premise Enterprise Gateway
- Setting Up a Gateway in Power BI Service
- Understanding Data Refresh(Manual vs Scheduled Refresh)
- Troubleshooting Refreshing scenarios

❖ Best practices

❖ Projects / Case Study

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Our Benefits

- **Training from Experts**
- **Certification Course**
  - All Participants will get Course Completion ISO Training Certificate from our Institute
- **Installments Available**
- **Job Oriented Course**
  - Learn from Scratch
- **Only 20% Theory and 80% Practicals**
- **Live Projects / Case Studies Covered**
- **Placements**
  - Dedicated HR Team for Placements
  - Overall 1000+ Companies for Placements + New Companies Added on Regular Basis!
- **Personal Attention & Doubt Solving**
  - Limited Seats per batch.
- **Notes / Study Material Provided**
- **Interview Prepare Sessions & Mock Interviews**
- **Resume Building etc.**

Please visit site for more info

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Our 5 Steps Process for Success

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Inquire Now !

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