

Data Analyst Course

*Data Analytics using Python, Excel,
SQL & PowerBI*

3 Months

32 Sessions

100+ hrs



Data Analyst Course

What Will You Get?

16

Number of Modules

100+

Training Hours

30+

Assignment Hours

3

Projects

15+

Assignments

24*7

Support

Who Should do this Course?

- Freshers interested in starting their career in the Data Analytics Industry
- People from finance, sales, supply chain, customer satisfaction who work with Data
- Professionals from logistics, accounting, marketing, trading, administration, manufacturing, research and development
- Anyone who wants to get started in the industry of Data Visualization, Data Science or Analytics

Job Role Expected

- Data Analyst
- Business Analyst

Salient Features



Self Paced/Live Course



2 Weeks of Project Work



Support



Class Labs/Home Assignment



Govt. of India Certificate



Placement Support



Individual Attention to Each Learner



Lifetime Access to Updated Content and Videos



Industry and Academia Faculty



Multiple Tools Covered



Assessments



Session with founder



Industry Relevant Curriculum



Career Mentoring



Hands-on Approach



Money Back Guarantee

Course Curriculum |

Introduction to Data Science & Analytics Techniques

- Introduction to Data Analytics
- Introduction to Python
- Data Analysis Pipeline
- What is Data Extraction Types of Data
- Raw and Processed Data
- Data Wrangling
- Overview of the Analytics
- Techniques Analytics
- Business Analytics
- Business Intelligence
- Industry Examples

Introduction to Data Visualization

- What is Visualization
- Importance of data visualization
- Data Visual Analytic pipeline
- Intro to DV tools that are ruling the industry

Fundamentals of Excel

Introduction

- GUI
- Cell Referencing
- Freeze panes
- Sum function

Useful functions

- Counting functions
- Summing functions
- Averaging functions
- Rounding functions

Sorting and filtering

- Multi-level sort
- Custom filter

Duplicates

- Remove duplicates

Data Cleaning & Working with Conditions using Excel

Working with text

- Concatenate
- Left, right, upper, lower

Working with conditions

- Conditional Formatting
- Logical Operations
- IF, AND, OR, Nested IF

Data functions

- Splitting
- Creating dates

Data Manipulation using Advanced Excel

Fetching and comparing data sets

- \$ Referencing
- Vlookup and Hlookup
- Match and Index

Named ranges

- Name Box

Data Analysis & Visualization using Advanced Excel

What-if-Analysis

- Goal Seek
- Data Table
- Scenario Manager

Solver Plug-in

- Solver plug-in

Pivot tables

- Dimensions & Measures
- Multi-layer Pivot Table
- Summarize Values by
- Show Values as Grouping

Charts

- Various Charts
- Pivot Charts
- Combo Charts
- Sparklines

Introduction to Statistics & Application in Excel

- Descriptive
- Statistics Inferential
- Statistics
- Regression
- Anova
- Correlation
- Covariance
- Histogram



SQL For Data Transformation

SQL

Introduction to SQL

- Intro to Databases
- Installation
- Tables

Data Warehousing

- Data Warehousing
- Data mart
- Data Modelling

DataTypes and Constraints

- Create, Use, Drop
- Data types
- Constraints
- Normalization

Operators

- Select
- Where
- AND, OR, NOT operators
- Like and Between operators

Joins

- Inner join
- Left join & Right join
- Full join
- Delete & Truncate
- Update & Delete using join
- Merge & Alter
- Temporary table

Functions

- Inbuilt functions in SQL
- String functions in SQL
- Mathematical function
- IIF function
- User-defined functions
- Date-time functions
- Inline table value
- Multi-statement table
- Stored procedures & Views
- Rank function

Power BI - Introduction

Calculated Columns & Measures

- Calculated
- Columns Measures

Clean & Transform Data

- Query Editor
- Advanced Methods
- Pivoted data / Unpivoted Data

Excel Tables

- Why use Tables
- Referencing Syntax
- Formulas
- Named Ranges

Modeling

- Relationships
- Calculated Columns & Measures
- Calculated Tables
- Time-based Data

Dashboard

- Dashboard using Pivot Tables, Slicers, Timeline

Power BI Components

- Old v/s new Technologies Power BI
- Desktop
- Power BI Service
- Power BI Mobile

Importing Data

- From Excel
- From Access, Folder, other sources

Power BI - Building Dashboards, Manipulating data using DAX, Importing Data from multiple sources

DAX Functions

- Introduction to DAX
- Data types
- Calculated Columns & Measures
- DAX Functions
- Relating Excel functions with DAX
- functions Variables
- Tables Referencing
- Filtering

Visualizations

- Create simple visualizations
- Combination charts
- Slicers
- Map Visualizations
- Tables & Matrix
- Scatter Charts
- Waterfall & Funnel Charts
- Gauges & Single Number
- Cards
- Styling the visualizations
- Categories with no data

Publishing

- Publish from Power BI desktop to Service

Introduction to Power BI Service

- Sign up for Power BI Service
- Parts of the Power BI
- Service Datasets
- Reports
- Dashboards"

Power BI and Excel

- Import an Excel table in Power BI Service directly

Import from data other Services

- Mailchimp
- Google Analytics
- QuickBooks

Dashboards

- Pinning the required report from across reports
- Ask questions on your data
- Focus mode
- Edit tile details

Power BI Mobile

- Installing the App
- Viewing Dashboards
- Viewing Reports
- Sharing

Certificate



Assignments

Assignments are important to engage students deeply with the course objectives. In our data analyst course training program, we provide you with industry-relevant assignments to allow you to nurture your practical and analytical skills. Our aim is to broaden your view to discover new possibilities with data analytics.

Introduction to Analytics Techniques & Fundamentals of Excel

Working on Sorting & Filtering

Working with Dates & Starting out with Other Conditions

Getting Started with Data Manipulation

Working with Tables & Drop-down Functions

Getting Deep with Analytical Applications

Working with Pivot Tables

Getting Friendly with the Basics of SQL

Working with Intermediate SQL Capabilities

Tools You Will Learn





Interested? Contact Us!

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Duration
3 months

Fee
Rs. 50,000

Batch Options
Weekend/Weekday