Sadhvi Academy Data Analyst Course Details

At Sadhvi Academy, we are delighted to offer a comprehensive Data Analyst course designed to equip students with the skills and knowledge needed to excel in the dynamic field of data analysis. Our course is structured to cover essential topics in Python, Data Analytics, Statistics, SQL, Excel, and Power BI.

Course Package - 1:

Data Analyst Basic Course	90hrs
Modules	**Basic - 90 hrs**
1 - Python	14hrs
2 - Python DA & DS	14hrs
3 - Statistics with Python	10hrs
4 - SQL	14hrs
5 - Excel	14hrs
6 - Powerbi	14hrs
capstone	10hrs
Actual Price	**24,000**
Offer Price	**18,000**

Course Syllabus:

1 - Python

- Introduction to Python

- Operators, String, List, and Tuple

- Set and Dictionary

- Conditional statements and loops

- Functions in Python

- Exception Handling, File Handling, and Debugging

- Modules, Packages, and Regular Expressions

- Decorators, Generators, and Comprehension in Python

2 - Python for Data Analysis

- Introduction to Python for Data Analytics
- Data Manipulation with Numpy
- Data Analysis with Pandas
- Matplotlib Basics
- Seaborn Basics

3 - Statistics

- Descriptive statistics
- Inferential statistics (hypothesis testing, confidence intervals)
- Probability distributions
- Correlation and regression analysis

4 - SQL

- Overview of Database Concepts
- Introduction to SQL
- Relational vs Non-Relational
- MySQL History & Architecture
- Connecting to MySQL
- Data Definition Language (DDL)
- Data Manipulation Language (DML)
- Sub Queries
- Types of Joins
- Creating Views
- Stored Procedures and Functions

5 - Excel

- Introduction to Data Analytics
- Phases of Data Analytics Project
- Data Cleaning
- Data Validation
- Pivot Tables
- Functions - Data Analytics using Excel
- Sort and filter
- Lookup Functions
- Conditional formatting
- Charts
- Substrings
- Conditional Formatting
- Data Mapping
- Data Visualization
- Data Aggregation
- Charts

6 - Power BI

- Introduction to Power BI and its components
- Data import and transformation in Power BI
- Creating visualizations and dashboards
- PowerQuery
- File Handling Techniques in Power Query
- Report sharing and collaboration

Note: The Capstone project provides students with an opportunity to apply their knowledge and skills acquired throughout the course in a real-world scenario.

Sadhvi Academy - Advanced Data Analyst Course Details

Course Package - 2:

Course Modules:

Data Analyst Advance Course	180hrs
Modules	**Advance - 180hrs**
1 - Python	20hrs
2 - Python DA & DS	24hrs
3 - Statistics with Python	10hrs
4 - SQL	20hrs
5 - Excel	20hrs
6 - Powerbi	20hrs
7 - Tableau	24hrs
Internship	22hrs
Job Preparation Course	20hrs
Actual Price	**40,000**
Offer Price	**30,000**

Course Duration: 180 hours

Detailed Syllabus:

Python (Advanced)

- Introduction to Python
- Operators, String, List and Tuple
- Set and Dictionary

- Conditional statements and loops

- Functions in Python

- OOPs (Object-Oriented Programming)

- Polymorphism and Encapsulation

- Exception Handling, File Handling, and Debugging

- Modules, Packages, and Regular Expressions

- Decorators, Generators, and Comprehension in Python

Python DA & DS (Advanced)

- Introduction to Data Science and Analytics

- Fundamentals of data science

- Data science vs. data analysis vs. data engineering

- Descriptive and predictive analytics

- The data science life cycle

- Working with different data types

- Applications of data science across various industries

- Data Extraction (Beautifulsoup, Scrapy)

- Data Manipulation (Numpy, Pandas)

- Data Cleaning (Pandas)

- Data Visualization (Matplotlib, Seaborn)

Statistics with Python (Advanced)

- Probability concepts

- Statistical measures

- Joint probability

- Conditional probability and Bayes theorem

- Measures of location and variability

- Probability distributions

- Sampling methods

- Key statistical concepts

- Statistical hypothesis testing

SQL (Advanced)

- Introduction to Databases and SQL

- Database Basics: Relational vs Non-Relational, MySQL History & Architecture

- Basic SQL Commands: Connecting to MySQL, DDL, DML, Advanced Querying

- Joins and Advanced Queries: Types of Joins, Nested Queries, Multi-Table Operations

- Views and Stored Procedures: Creating Views, Stored Procedures and Functions

- Triggers and Transactions: Introduction to Triggers, Transaction Concepts

- Database Optimization: EXPLAIN, Foreign Keys Best Practices

Excel (Advanced)

- Introduction to Data Analytics

- Phases of Data Analytics Project

- Data Cleaning

- Data Validation

- Pivot Tables

- Functions - Data Analytics using Excel

- Advanced Excel functions

- VBA Introduction and Usage

- Data Mapping, Data Visualization, Data Aggregation

- Charts and Advanced Charting Techniques

Power BI (Advanced)

- Introduction to Power BI and its components

- Power Query Functions

- File Handling Techniques in Power Query

- DAX Expressions

- Power BI Data Modelling & Integration

- Advanced Data Modelling

- Power BI Publishing

Tableau (Advanced)

- Introduction to Tableau

- Different Types of Plots and Charts

- Filters & Data Manipulation in Tableau

- Applying Analytics to Tableau - Part 1 and Part 2

- Advanced Analytics in Tableau

- Tableau Dashboards

- Working with Multiple Data Sources

- LOD Expressions

- Time Series Analysis in Tableau

Note: The course includes an internship program to provide hands-on experience, and a Job Preparation Course to equip students with the skills needed in the job market.

Additional Benefits (For Advance Course):

- **Free Internship with Certificate:** Apply your knowledge in real-world projects during an internship, receiving a certificate upon completion.

- **Course Completion Certificate:** Earn a certificate upon successfully completing the Advanced Data Science Course, showcasing your proficiency.

- **Free Job Preparation Course:** Access a complimentary course to prepare for job interviews, refine your resume, and enhance your job-seeking skills.
- **Networking Opportunities:** Connect with professionals in the industry through networking events and discussions.
- **Placement Assistance:** Benefit from our placement assistance with daily job updates designed to help you secure opportunities in the data science field.

Join Sadhvi Academy and embark on a transformative journey to become a proficient Data Analyst. Enroll now and unlock your potential in the world of data!