Dataventics
Software Solutions

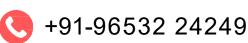**Opening Gateway to your Dream !**

DATA ANALYST
TRAINING PROGRAM

MASTER DATA ANALYTICS: ELEVATE YOUR
CAREER WITH OUR TRAINING COURSE

www.dataventics.com

+91-96532 24249

www.dataventics.com

career@dataventics.com

About Program

● Industry Expertise

Dataventics has worked in a diverse range of domains for BI and analytics, including healthcare, finance, retail, transportation, government, and more. With our deep industry knowledge and technical expertise, we are able to deliver customized solutions that drive business value for our clients. Our goal is to help our clients unlock the full potential of their data and make informed decisions that drive growth and success.

● Certifications

- Data Analyst Certificate
- Power BI Certificate
- SQL Certificate

● Program Highights

On the successful completion of this online IT Professional Training Program you will be proficient in working with Power BI and SQL to be job-ready for some of the top paying companies in the world

100% Placement Assistance	Project Presentation
Power Bi Certificate	Carrier Guidance
SQL Certificate	Standardize CV Creation
No Coding Required	1:1 Personalised Learning
Mock Interview	Recorded Videos and Notes
Top -Notch Faculty	

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Hottest Job of 21st Century

1.2 MILLION JOB POSTINGS
There is a global estimate of 1.2 million job postings for Microsoft Power BI roles by 2022

SKILL DEVELOPMENT
Microsoft Power BI professionals are equipped with various relevant skills fetching lucrative job offers

GROWING INDUSTRY
41 .5 % CAGR in the global Microsoft Power BI industry

FUTURE ORIENTED CAREER
Microsoft Power BI is a budding field; a head start will prove to be beneficia

POPULAR DEGREE
41% of Microsoft Power BI professionals have a master s degree

HIGH DEMAND
By 2023, India and US will face a demand supply gap of 420,000 Microsoft Power BI professionals

Program Curriculum Power BI

Module 1

INTRODUCTION TO POWER BI

- Introduction to Business Intelligence (BI)
- Stages of business intelligence (BI)
- Use cases of BI
- Various BI tools
- Overview of Data warehouse & concepts
- Introduction to Power BI
- Why Power BI
- Power BI Components
- Power BI pricing structure
- Building blocks of Power BI
- Architecture of Power BI
- Introduction of Power BI Desktop
- Installation of Power BI Desktop
- The key features of Power BI workflow
- Process of creating reports in Power BI

Module 2

DATA EXTRACTION

- Overview of Power BI desktop
- Data sources in Power BI
- Using files (excel, pdf, csv, etc.) as a data source
- Other data sources (OData, web, SharePoint etc.)
- Introduction of power query editor
- Query dependency editor

Module 3

DATA TRANSFORMATION – SHAPING & COMBINING DATA

- Shaping data using Power Query Editor
- Formatting data
- Transformation of data
- Understanding of Data types
- Data profiling for data quality check
- Naming conventions & best practices to consider
- Merge Query
- Append Query
- Group by of data (aggregation of data)
- Applied steps (query settings)
- Transpose of data
- Pivot & Un-pivot of data
- Conditional columns
- Replace data from the tables
- Split columns values
- Move columns & sorting of data
- Detect data type, count rows & reverse rows
- Promote rows as column headers

Program Curriculum Power BI

Module 4

DATA MODELLING

- Introduction of relationships
- Creating relationships
- Cardinality
- Cross filter direction
- Inactive relationships

Module 7

MOBILE APPS

- Downloading Power BI Mobile App
- Creating Mobile App
- Customize Mobile App
- Publishing App

Module 5

DAX

- Introduction of DAX
- Why DAX is used
- DAX syntax
- DAX functions
- Context in DAX
- Calculated columns using DAX
- Measures using DAX
- Calculated tables using DAX
- Learning about table, information, logical, text, iterator,
- Cumulative values, calculated tables, and ranking and rank over groups
- Date and time functions

Module 6

DATA VISUALIZATION WITH ANALYTICS

- Deep dive into Power BI data visualization
- Data visualization techniques
- Page layout & Formatting
- Power BI Desktop visualization
- Formatting and customizing visuals
- Visualization interaction
- Custom visualization in Power BI

Program Curriculum Power BI

Module 8

MOBILE APPS

- Downloading Power BI Mobile App
- Creating Mobile App
- Customize Mobile App
- Publishing App

SKILLS TO MASTER

- Connecting to data
- Transforming data
- Creating a data model
- Working with DAX
- Visualizing a data
- Power BI cloud
- Building line graphs, bar charts and dashboards

Module 9

POWER BI SERVICE

- Creating a Service Account.
- Publish and Share Reports
- Create a Public Link.
- Create an App Workspace
- Grant Access on Workspace
- View Quick Insights
- Creating Dashboards
- Adding Text Widget
- Adding Image Widget
- Adding Video Widget
- Explore Q&A

Module 10

SUBSCRIPTIONS a RLS(Row Level Security)

- Creating Subscriptions in Power BI
- Installing Data Gateway
- Configure Data Gateway
- Scheduled Data Refresh
- Grant Access to Objects
- Creating Roles
- Role Impersonation
- Publish Report to Service Account
- Assign User(s) to Roles
- Share the Report

Program Curriculum SQL

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Module 1

- What is Database
- Need of Database
- About Database Management System
- About Relational Database Management System
- SQL Server Introduction and Installation
- Creating your own database in SQL SERVER

Module 2

- Database Normalization
- Database Anomalies
- Database Normalization forms
- 1NF, 2NF,3NF, BCNF ,4 NF

Module 3

- What is SQL
- Need of SQL
- SQL Process
- SQL Rules •
- SQL Commands – DDL, DML, DCL, TCL, DQL
- SQL Datatypes

Module 4

- Enforcing Data Integrity
- Understanding Integrity Constraints:
  NOT NULL
  UNIQUE
  PRIMARY KEY
  FOREIGN KEY
  CHECK
  INDEX

Module 5

- Creating and Altering table in SQL SERVER
- Data Definition Language Commands:
  CREATE
  DROP
  ALTER
  TRUNCATE

Module 6

- Modifying SQL data
- Data Query Language Command:
  SELECT
- Data Manipulation Language Commands
  INSERT
  UPDATE
  DELETE

Program Curriculum SQL

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Module 7

- SQL Operators
- Querying SQL data using Clauses:
  WHERE
  GROUP BY
  ORDER BY
  HAVING

Module 8

- **SQL Functions:**
- Aggregate Functions
- String Functions
- Date & Time Functions
- **SQL Predicates:**
- Like
- Top
- Between

Module 9

- Accessing Multiple Tables
- SQL Alias
- SQL join Types
- Inner join
- Left join
- Right join
- Full join
- Self-join
- Cross Join

Module 10

- NULL Values
- UNION
- UNION ALL
- INTERSECT
- EXISTS

Module 11

- SQL Indexes
- CREATE Index
- Types of Indexes
- DROP Indexes

Module 12

- SQL   Views
- CREATE View
- INSERT rows into View
- SELECT rows into View
- DROP View
- Wildcard Operators in SQ

Module 13

- Subqueries in SQL
- Subquery with SELECT
- Subquery with INSERT
- Subquery with WHERE
- Subquery with DELETE
- Subquery with UPDATE

Data Analytics Courses

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Duration	:	3 Months
Mode	:	Online live training
Projects	:	15
Certifications	:	• Data Analyst Certification • Power BI Certification • SQL Certification

Data Analyst Certificate

Power BI Certificate

SQL Certificate

Power BI Course

Duration : 3 Weeks

Mode : Online live training

Projects : 5

Certifications : Power BI Certification

CERTIFICATE
OF RECOGNITION

POWER BI

THIS CERTIFICATE IS AWARDED TO:

JOHN DOE

for successfully completing Power BI Training and Certification Program

Jan 1, 2024

Smita Deshpande
Chief Operating Officer

Date

Power BI Certificate

SQL Course

Duration : 5 Weeks

Mode : Online live training

Projects : 2

Certifications : SQL Certification

SQL Certificate

Course Feedbacks

AARAV PATEL ★★★★★

Excellent course! The content was well-structured, covering all key aspects of data analysis. The hands-on projects were particularly beneficial in applying theoretical concepts to real-world scenarios.
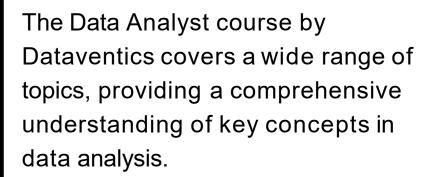
PRIYA SHARMA ★★★★★

Great introduction to data analysis! The instructors were knowledgeable and provided clear explanations. The practical exercises were challenging yet rewarding, helping me build confidence in my analytical skills.

NISHA SINGH ★★★★⯨

The course provided a comprehensive overview of data visualization tools. The step-by-step tutorials were incredibly helpful, making it easy to grasp complex concepts and create visually appealing reports.

ELENA RODRIGUEZ ★★★★★

The Data Analyst course by Dataventics covers a wide range of topics, providing a comprehensive understanding of key concepts in data analysis.

AKIO TANAKA ★★★★⯨

I appreciate the emphasis on hands-on experience throughout the course. The practical exercises helped reinforce theoretical learning.

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Course Feedbacks

LIAM JOHNSON ★★★★★

The course is well-structured with clearly defined modules. This made it easy to follow the curriculum and track progress

FATIMA KHAN ★★★★★

The course focuses on practical applications of data analysis, making it relevant and applicable to real-world scenarios
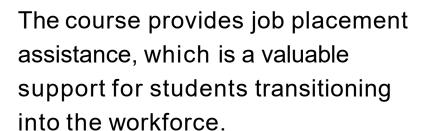
ROHAN KUMAR ★★★★⯨

The course content is up-to-date with current industry trends and technologies, ensuring that students are equipped with the latest skills.

HASSAN ALI ★★★★★

Dataventics offers networking opportunities with professionals in the field. This is beneficial for building connections and gaining insights into the industry.

POOJA VERMA ★★★★⯨

The course provides job placement assistance, which is a valuable support for students transitioning into the workforce.

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Our Placements

NEHA SHARMA

Package: Rs. 8 Lakhs per annum - Placed as a Data Analyst at TechCorp Solutions.

RAJESH PATEL

Package: Rs. 10 Lakhs per annum - Hired as a Power BI Developer at GlobalTech Enterprises.

PRIYA SINGH

Package: Rs. 9.5 Lakhs per annum - Recruited as a Data Analyst at InfoSystems Ltd.

AMIT KUMAR

Package: Rs. 12 Lakhs per annum - Employed as a Power BI Developer at FutureTech Innovations.

RITU GUPTA

 Package: Rs. 8.5 Lakhs per annum - Joined as a Data Analyst at Analytics Plus Inc.

ANKIT VERMA

Package: Rs. 11 Lakhs per annum - Placed as a Power BI Developer at Data Insights Ltd.

Our Placements

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POOJA MEHTA
Package: Rs. 9 Lakhs per annum - Hired as a Data Analyst at TechWise Solutions.

ARJUN SINGHANIA -
Package: Rs. 10.5 Lakhs per annum - Recruited as a Power BI Developer at CloudData Technologies.

KRITIKA SHARMA
Package: Rs. 8.2 Lakhs per annum - Employed as a Data Analyst at Analytix Solutions Pvt. Ltd.

ROHAN KAPOOR
Package: Rs. 11.5 Lakhs per annum - Joined as a Power BI Developer at Insightful Solutions Inc.

SHRAVAN BURDE
Package: Rs. 8.5 Lakhs per annum - Joined as a Data Analyst at LTI Mindtree.

TRUPTI VAIDYA
Package: Rs. 15 Lakhs per annum - Placed as a Power BI Developer at Accenture.

Students Globally

Dataventics Software Solutions Pvt. Ltd. have a global presence, with students from all around the world.

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CONTACT US !

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