



**Data Analytics**



**ROLASOFT PROFESSIONAL COMPUTER & IT  
COURSES VERSION 2.0 LATEST**

## **Diploma in Certified Data Analytics Professional**

*Become a job-ready Data Analytics  
Professional in 6 months!*

# Benefits of Studying Diploma in Certified Data Analytics with RolaSoft

## ✓ 1. Industry-Relevant Curriculum

Stay ahead with a syllabus designed by industry experts, focused on real-world of data analytics.

## ✓ 2. Hands-On Training

Learn by doing — build real-time projects, and gain practical data analytics experience.

## ✓ 3. Experienced Instructors

Gain insights from certified professionals and senior data analytics with years of teaching and industry experience.

## ✓ 4. Placement Assistance

Access job support services including resume building, mock interviews, and direct placement opportunities with partner companies.

## ✓ 5. Flexible Learning Modes

Choose between: **Online**, **Offline (at our center)**, or **Hybrid Classes**

# Benefits of Studying Diploma in Certified Data Analytics with RolaSoft

## ✓ 6. Mini & Major Projects

Work on individual and group projects to strengthen your portfolio and impress future employers.

## ✓ 7. Certification Upon Completion

Earn a **Diploma Certificate** from **RolaSoft Technologies**, recognized by IT recruiters and employers.

## ✓ 8. Small Batch Size

Personalized attention and better interaction in small groups for an enhanced learning experience.

## ✓ 9. Affordable Fees & Installment Plans

Top-tier training at a reasonable cost, with flexible payment options.

## ✓ 10. Career-Oriented Skills You'll Gain at RolaSoft Technologies

RolaSoft ensures you're job-ready with the right tech stack and practical knowledge.

# Diploma in Certified Data Analytics Professional Course Details



## **Duration**

Six (6) Months



## **Schedule**

Weekdays / Weekends



## **Learning Modes**

Online, Offline (at our center), or Hybrid Classes



## **Start Date**

New batches start every month — enroll now!



## **Eligibility**

No prior experience required

# Certified Data Analytics Professional Prerequisites

- ✓ Basic knowledge of Excel and general business concepts
- ✓ Familiarity with basic mathematics and statistics (recommended)
- ✓ No prior programming experience required, but helpful

# Certified Data Analytics Professional – Program Details

## Program Overview

The **Data Analytics** course at ***Rolasoft Technologies*** is a comprehensive 6-month program aimed at teaching you the essential skills required to analyze and interpret data. The course covers **data cleaning, data visualization, statistical analysis, predictive analytics**, and the use of tools like **Excel, SQL, Power BI, and Tableau**.

Through hands-on projects, you will learn how to analyze data and derive actionable insights that drive business decisions. The course is designed to equip you with the practical knowledge to work in real-world data analytics roles, including data analysis for business intelligence, marketing, and more.

# Certified Data Analytics Professional Course Curriculum

## Month 1: Introduction to Data Analytics & Excel Basics

- ✓ Overview of Data Analytics and Its Importance
- ✓ The Data Analytics Process: Collection, Cleaning, Analysis, and Reporting
- ✓ Introduction to **Excel** for Data Analysis  
(Excel Basics: Formulas, Functions, and Formatting, Data Types, Sorting, and Filtering, Pivot Tables and Pivot Charts)
- ✓ Visualizing Data with Excel: Charts and Graphs
- ✓ Data Cleaning and Preprocessing in Excel
- ✓ **Project:** Analyzing a Business Dataset Using Excel

# Certified Data Analytics Professional Course Curriculum

## Month 2: SQL for Data Analysis

- ✓ Introduction to **SQL** and Database Basics
- ✓ SQL Queries: SELECT, WHERE, GROUP BY, JOIN
- ✓ Aggregate Functions: COUNT, SUM, AVG, MAX, MIN
- ✓ Subqueries, Nested Queries, and Set Operations
- ✓ Data Manipulation in SQL: INSERT, UPDATE, DELETE
- ✓ Advanced SQL: Window Functions, Common Table Expressions (CTEs)
- ✓ **Project:** Analyzing Customer Data with SQL

# Certified Data Analytics Professional Course Curriculum

## Month 3: Data Visualization with Power BI & Tableau

- ✓ Introduction to **Power BI** and **Tableau**
- ✓ Data Importing and Preparing Data in Power BI and Tableau
- ✓ Creating Visualizations: Bar Charts, Line Graphs, Pie Charts, etc.
- ✓ Building Dashboards and Reports & Using Filters, Slicers, and Drill-through in Reports
- ✓ Using Power BI to connect to Databases and Web Services
- ✓ Introduction to Tableau Calculations and Data Aggregation
- ✓ **Project:** Building a Data Dashboard for a Business Problem

# Certified Data Analytics Professional Course Curriculum

## Month 4: Statistical Analysis and Hypothesis Testing

- ✓ Introduction to **Statistics** for Data Analysis  
(Descriptive Statistics: Mean, Median, Mode, Standard Deviation, Data Distributions: Normal, Binomial, etc., Probability Theory and Basic Concepts)
- ✓ Hypothesis Testing: t-tests, Chi-Square Test, ANOVA
- ✓ Confidence Intervals and p-Values
- ✓ Regression Analysis: Simple and Multiple Regression
- ✓ Correlation Analysis: Pearson's and Spearman's Correlation
- ✓ **Project:** Conducting Hypothesis Testing on a Dataset

# Certified Data Analytics Professional Course Curriculum

## Month 5: Predictive Analytics & Machine Learning Basics

- ✓ Introduction to **Predictive Analytics**  
(Types of Predictive Models: Regression, Classification, Model Selection and Evaluation Metrics)
- ✓ Introduction to **Machine Learning** for Data Analytics  
(Supervised Learning: Linear Regression, Decision Trees, Unsupervised Learning: K-Means Clustering, PCA, Model Validation: Cross-validation, Test vs Training Data)
- ✓ Introduction to Tools: Python for Data Analytics (scikit-learn, pandas, matplotlib)
- ✓ **Project:** Predictive Modeling on a Business Problem (e.g., Sales Forecasting)

# Certified Data Analytics Professional Course Curriculum

## Month 6: Data Analytics Project & Reporting

- ✓ Data Analytics for Business Intelligence  
(Key Performance Indicators (KPIs) and Metrics, Reporting and Presenting Insights to Stakeholders)
- ✓ Introduction to **Data Storytelling**: Communicating Insights Effectively
- ✓ Building a Data Analytics Portfolio
- ✓ **Final Project**: End-to-End Data Analytics Project  
(Data Collection, Cleaning, Analysis, and Visualization, Model Building and Evaluation (if applicable), Creating a Business Dashboard or Report)
- ✓ **Project Presentation**: Share Results with Stakeholders

# Tools & Technologies Used

Tools & Technologies Used for **Certified Data Analytics Professional Course** are:

- ✓ **Microsoft Excel** for Data Analysis
- ✓ **SQL** for Database Querying and Data Manipulation
- ✓ **Power BI** and **Tableau** for Data Visualization
- ✓ **Python** (optional) for Advanced Data Analytics
- ✓ **Google Sheets** for Cloud-Based Data Analysis
- ✓ **Jupyter Notebooks** for Project Work (Optional)

# Final Capstone Project (End of 6 Months)

Students will complete an **industry-level project** in Data Analytics Professional :

- ✓ A fully functional End-to-End Data Analytics Project

# Certified Data Analytics Professional Learning Outcomes

By the end of this course, students will be able to:

- ✓ Understand the end-to-end data analytics process, from data collection to reporting
- ✓ Clean, transform, and manipulate data using **Excel** and **SQL**
- ✓ Create interactive visualizations and dashboards using **Power BI** and **Tableau**
- ✓ Apply basic and advanced **statistical analysis** techniques for data exploration
- ✓ Conduct hypothesis testing and regression analysis to derive insights
- ✓ Understand **predictive analytics** techniques and machine learning algorithms for forecasting
- ✓ Present data findings effectively through data storytelling and business reports

# Certification Obtain

After completion of the program, the student will be awarded with a certificate:

## **Diploma in Certified Data Analytics Professional**

The program also prepares students for industry certifications such as:

- ✓ Google Data Analytics Professional Certificate
- ✓ Microsoft Certified: Power BI Data Analyst Associate (PL-300)
- ✓ Certified Analytics Professional (CAP)
- ✓ Tableau Desktop Specialist / Certified Associate

# Certified Data Analytics Professional Career Opportunities

- ✓ Data Analyst
- ✓ Business Intelligence (BI) Analyst
- ✓ Marketing/Data Insights Analyst
- ✓ Operations/HR Analyst
- ✓ Freelance/Consulting Data Analyst

# Who Should Take This Certified Data Analytics Professional ?

## Who Should Take This **Certified Data Analytics Professional**?

- ✓ Aspiring data analysts looking to develop their skills
- ✓ Business professionals looking to leverage data to make informed decisions
- ✓ Students or individuals interested in pursuing a career in data analytics
- ✓ Professionals working in marketing, operations, finance, or other departments looking to learn data analytics
- ✓ Anyone interested in understanding the process of extracting value from data
- ✓ Business professionals and decision-makers

# Rolasoft Technologies Services

## Rolasoft Technologies – Services Offered

### ✓ **SOFTWARE DEVELOPMENT COMPANY**

(MOBILE APPLICATION, WEB APPLICATION, DESKTOP APPLICATION, CUSTOMIZED APPLICATION, E-COMMERCE WEBSITE)

### ✓ **PROFESSIONAL COMPUTER AND IT EDUCATION**

(TOP-UP PROGRAMS, DIPLOMA PROGRAMS, CERTIFICATE PROGRAMS, TECH @ SCHOOL, CORPORATE PROGRAMS, SIWES PROGRAMS, CUSTOMIZED PROGRAMS)

### ✓ **DIGITAL ADVERTISING AND BUSINESS BRANDING**

(SOCIAL MEDIA MARKETING, EMAIL MARKETING, CONTENT MARKETING, WEBSITE SEO, BRANDED CLOTHING, STICKERS AND TAG, CUSTOM BRANDING, AND MANY MORE)

### ✓ **INTERNATIONAL UNIVERSITY ADMISSION PROCESSING**

(AMERICA, UK, CANADA, EUROPE, AFRICA, AND MANY MORE)

## Contact & Registration

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**Enroll Today & Start Your  
Data Analytics Professional Journey!**

*Shape your future with  
Data Analytics Expert.*