

PROFESSIONAL DIPLOMA IN DATA ANALYSIS

“Using Excel and Power BI”

What is Data Analytics?

Data analytics is the process of examining raw data to uncover patterns, trends, and insights that inform decision-making. For professionals, mastering data analytics is crucial as it enhances the ability to make data-driven decisions. Furthermore, proficiency in data analytics increases employability and potential for career advancement, making it an essential skill in today’s data-driven industry landscape.

Why learn Data Analytics?

Mastering data analytics equips professionals with the skills needed to leverage data for strategic advantage in any industry.

- **Informed Decision-Making:** Enhance the ability to make data-driven decisions that can improve business strategies and outcomes.
- **Competitive Advantage:** Gain insights that can help your organization stay ahead of the competition.
- **Efficiency Improvement:** Identify areas for cost reduction and process optimization.
- **Market Trends:** Understand and predict market trends to better meet customer needs and preferences.
- **Career Growth:** Increase your employability and potential for advancement in the growing field of data analytics.

Objectives of Data Analysis Using Excel and Power BI Diploma

Data flourishes for informed decisions, it allows organizations to measure performance in all aspects, monitor, evaluate, and take corrective action.

Accordingly, data analysis can be seen as the main means for business excellence and acceleration.

- Our Diploma included practical training on a variety of chosen AI tools, making it an ideal choice for anyone looking to leverage the latest techniques in data analysis efforts.
- This Diploma is the ideal practical to Enhance your Data Analysis Skills.
- This Diploma is a combination of The Concept of Data Visualizations and Technical Skills to build a career future in one of the most important fields worldwide; where most global and innovative companies are utilizing data analysis to help make data-driven decisions using Business intelligence solutions



▪ Our AI-driven data analysis course will equip you with the latest techniques to extract valuable insights from your data and inform business decisions.

You Will Learn

Upon completing the diploma, you will: Differentiate yourself as a Data Analyst by learning:

- **Data Literacy:**
 - Define data and illustrate different data types.
 - Introduce data analysis and analytics techniques, their usage, and prerequisites.
 - enable you to participate in organization data strategy formulation.
- **Classic Data Analysis Using Excel**
 - Be Familiar with Excel Layout & Components.
 - Get the maximum from Excel's Different tools.
 - Master Excel Formulas & Functions
 - Master The Pivot Table & Charts.
- **Data Analysis Using Excel**
 - Apply newly acquired skills to datasets using Excel to create a professional dashboard, to that end, you will learn:
 - Connect, Transform, and Load Data Using Power Query
 - Enhance Data Modeling
 - Build Data Analysis Expression [DAX] in Excel.
 - Mastering Data Visualization in Excel & Creating a Dynamic Dashboard
- **Data Analysis Using Power BI**

Leverage acquired skills that you have already applied in Excel to one of the most demanded tools, to that end you will:

 - Understand The Concept of Business Intelligent Solutions
 - Connect, Transform, and Load Data Using Power BI
 - Working with DAX and Advanced DAX Measures.
 - Mastering Data Visualizing & Data Driven Decisions Using Power BI



Cambridge

Technical College

PROGRAMME	PROFESSIONAL DIPLOMA IN DATA ANALYSIS USING EXCEL AND POWER BI	الدبلوم المهني في تحليل البيانات
TRAINING HOURS	120 TRAINING HOURS	120 ساعة تدريبية
DURATION	MONTHS 6	6 شهور

SUBJECT	TRAINING HOURS
ENGLISH LANGUAGE 101	20
INTRODUCTION TO DATA ANALYTICS	8
DATA CLEANING IN EXCEL	8
INTRODUCTION TO STATISTICS	10
DASHBOARDING IN EXCEL	8
INTRODUCTION TO SQL 1	10
INTRODUCTION TO SQL 2	10
INTRODUCTION TO POWER BI	10
DATA MODELLING & DATA TRANSFORMATION	10
INTRODUCTION TO DAX & VISUALIZATIONS WITH POWER BI	10
DASHBOARDING, POWER BI REPORTS, DEPLOYING AND MAINTAINING ASSETS	10
CAPSTONE PROJECT	6