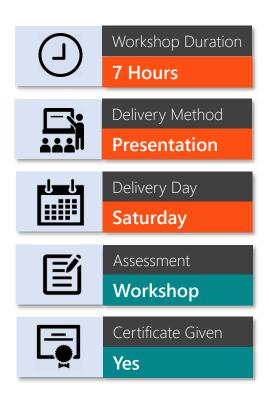# Program Overview

The objective of this training workshop is to build a solid foundation and a deep understanding of how **Power BI** can enable you to solve business problems and improve financial & business operations.

Modern financial & business professionals are inundated with relevant and irrelevant business information & data. The fundamental focus of the workshop will be on exploring in detail how to convert data into insights and insights into better business decisions.

The participants will take an in-depth dive into the wonders of **Power BI**, igniting their interest for continuing skills development in this vital area. The workshop is designed not only to provide a very detailed and value adding walk-through but will also add immensely to the participant's ability to develop intelligent dashboards from published reports, discover better insight from the data & create practical recipes on the various tasks that you can perform with Microsoft Power BI.

Microsoft **Power BI** enables analysts and business decision makers to connect directly with many data sources, extract, transform and model data and create stunning reports and dashboards enriched with AI capabilities.

ACS
TRAINING

Workshop Duration	**7 Hours**
Delivery Method	**Presentation**
Delivery Day	**Saturday**
Assessment	**Workshop**
Certificate Given	**Yes**

Who Should Attend

- ☑ Accounting & Finance Professionals / Financial Analysts.
- ☑ BI Managers and Analysts.
- ☑ Managers & Business Decision Makers.
- ☑ Supply Chain & Planning Professionals.
- ☑ HR Professionals.
- ☑ Data Analysts.
- ☑ Anyone interested in taking BI Certification.
- ☑ Professionals who are advancing their careers in BI.

Key **Highlights** of Workshop Takeaways

ACS TRAINING

➡ Develops detailed understanding of Data Analytics and BI.

➡ Turning data to insights by utilizing built-in AI features of Power BI.

➡ Transforming & shaping data from different sources using Power Query.

➡ Creating data models & understanding table relationships.

➡ Learning Power BI formula language called "Data Analysis Expressions (DAX)".

➡ Self-service Business Intelligence with Power BI.

➡ Readily available information across multiple devices including PC's, Tabs and Mobiles.

➡ Full process automation and reduction in manual work.

➡ Creation of highly professional dashboards from multiple data sources.

➡ Creating mobile view to visualize business results anytime anywhere.

➡ Publishing & sharing dashboards on Power BI service.

1 Session One

Getting data from multiple sources

- ✓ Getting data from Excel
- ✓ Knowing how to connect with live databases
- ✓ Getting data from text & CSV files
- ✓ Combining all the files in a folder

2 Session Two

Transforming Data with Power Query

- ✓ Shaping and transforming data to fit in data model
- ✓ Pivoting and un-pivoting
- ✓ Creating conditional columns
- ✓ Working with 'Transform' and 'Add column' tools
- ✓ Understanding 'Advance Query Editor'

3 Session Three

Creating Data Models

- ✓ Normalization and denormalization
- ✓ Creating 'Star Schemas'
- ✓ Understanding 'Facts' and 'Dimensions' tables
- ✓ Creating table relationships and understanding their cardinality
- ✓ Working with 'filter flow'

4 Session Four

Uncovering the power of Data Analysis Expressions (DAX)

- ✓ What is DAX?
- ✓ Similarities and differences with Excel formula language
- ✓ Calculated Columns vs. Measures
- ✓ Implicit Measure vs. Explicit Measure
- ✓ Row context vs. Filter context
- ✓ Mining information with DAX functions
- ✓ Common DAX functions
- ✓ Time intelligence using DAX
- ✓ Walk through DAX functions library

5 Session Five

Creating Smart Dashboards and reports

- ✓ Understanding Data Storytelling and science of colors
- ✓ Creating a complete dashboard in Power BI
- ✓ Adding slicers, Cards and KPI visuals
- ✓ Adding column, bar, Line, Area, Pie and Donut charts
- ✓ Adding advanced visuals like, Waterfall, Funnel, Tree map, and Scatter charts
- ✓ Adding custom visuals from AppSource

6 Session Six

Unleashing Artificial Intelligence (AI) Visuals

- ✓ Adding 'Decomposition Tree' and 'Smart Narratives' AI visuals

7 Session Seven

Power BI service on the web

- ✓ Publishing the dashboard online on Power BI Service
- ✓ Understanding Workspaces
- ✓ Creating single 'Dashboard' from multiple reports and dashboards
- ✓ Installing 'Data Gateway' and scheduling auto refresh

8 Session Eight

Power BI mobile app

- ✓ Creating Mobile view
- ✓ Adding visuals, publishing and viewing dashboards on Mobile app / tab

Suitability

Whether you are an enthusiastic **finance professional** or a **business decision maker** in other roles, attending this training workshop will significantly enhance your understanding and ability to deliver insights to make fast & informed business decisions.

This will lead both; the business processes to drive more friction-less and connected experiences, and the finance professionals to enhance their skills development.

Precisely, this comprehensive training workshop will enable the business managers, finance professionals & entrepreneurs to understand how to convert data into insights and insights into better business decisions.

Trainer Profile

Muhammad Imran
MCT, MCSA BI Reporting, MBA

One of the renowned trainers in Pakistan, Imran is an experienced Business Intelligence professional, Microsoft Certified Trainer, Power BI and Excel expert; having eleven years of experience including Business Intelligence, ERP Implementations, Finance and Supply Chain.

He has trained professionals in transforming data into actionable insights using best industry tool of Microsoft Power BI by addressing real-time industry scenarios.

He has delivered in-house and on-site trainings to thousands of professionals from almost all functional areas of the business such as Finance, HR, Supply Chain, Marketing, Admin, Production etc.

His proven training track record has made him well-versed in bringing sound and rapid transformation, which can impact your business growth & help you grow as an individual.

About ACS TRAINING COMPANY

Focusing on modern professional's CPD needs, ACS TRAINING COMPANY provides truly world-class business, financial & technology training, designed & developed for individuals seeking career growth as well as corporate business aiming for staff skills development.

To enroll in this Workshop:

CALL TODAY
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042 3523 4215

Or Send an email:
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