



JUNE 09, 2026



FEE:
PKR 18,000
(Plus Tax)

M CODE MASTERY

FOR BANKING AND FINANCIAL ANALYSIS

9 AM - 5 PM

NIBAF, PAKISTAN (KARACHI)

COURSE MODULES:

Module 1 – Introduction to Power Query & M Language

- Understanding Power Query Architecture
- Difference Between UI Steps & M Code
- Anatomy of an M Query
- Query Editor Interface
- Understanding Applied Steps
- M Language Syntax & Structure
- Data Types in Financial Data

Module 2 – M Code Fundamentals

- Variables & Let Expressions
- Functions & Parameters
- Conditional Logic in M
- Text Functions for Banking Data
- Number & Currency Transformations
- Date Intelligence Functions
- Error Handling Techniques

Module 3 – Banking Data Transformation

- Importing Core Banking Reports
- Processing Large Transaction Files
- Multi-Branch Data Consolidation
- Cleaning Customer Information
- Standardizing GL & Ledger Data
- Handling Nulls, Duplicates & Exceptions
- Currency & Exchange Rate Adjustments

Module 4 – Financial Data Automation

- Automated Daily MIS Reports
- Dynamic File & Folder Connections
- Auto Refresh Mechanisms
- Parameter Driven Reports
- Dynamic Period Reporting
- Automated Month-End Processing
- Incremental Data Loading

Module 5 – Reconciliation & Audit Analytics

- Bank Reconciliation Automation
- Ledger vs Transaction Matching

- Duplicate Transaction Detection
- Suspicious Transaction Identification
- Exception Reporting
- Audit Trail Preparation
- Variance Analysis Techniques

Module 6 – Advanced M Coding Techniques

- Custom Functions in M
- Nested Queries
- Advanced Merge & Append Logic
- Query Optimization Techniques
- Performance Improvement Methods
- Dynamic Column Handling
- Advanced Filtering & Conditional Transformations

Module 7 – Dashboard & Reporting Integration

- Power Query with Excel Dashboards
- Data Model Preparation
- Preparing Data for Power Pivot
- Financial KPI Reporting
- Executive Banking Dashboards
- Branch Performance Analysis
- Automated Reporting Templates

Module 8 – AI Integration with Power Query

- Using ChatGPT for M Code Writing
- AI-Assisted Formula Generation
- AI for Error Debugging
- Prompt Engineering for Excel & Power Query
- Automating Repetitive Reporting Tasks
- Smart Data Transformation Using AI

FACILITATOR

Ms. Sumaira Ghouri is an experienced Corporate Trainer, Course Facilitator, Lecturer and Public Speaker. She has more than 12 years' experience and she has trained and taught more than 2500 business professionals. Ms. Ghouri is the First Female Microsoft Office Corporate Trainer in Pakistan.

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