Power BI Mastery Course

Course Overview:

Welcome to our intensive Power BI Mastery Course. Targeted at Power BI enthusiasts, this course aims to build upon your existing capabilities, diving deep into Data Engineering, Semantic Modelling, and Data Visualization. As we journey through each module, you'll find yourself navigating complex datasets with ease, crafting intricate DAX expressions, and harnessing the power of cutting-edge analytics. Join us and emerge as a Power BI expert by the week's end!

Customers have the flexibility to select from the available modules. They can opt for all modules or pick a specific subset. Please note that each module lasts for 3 hours and is priced at $1,250.

Module Breakdown:

Data Engineering I

Objective: Gain proficiency in refining raw data for optimal usage within Power BI.

Topics Covered:

Cleansing System Data
- Overview of data cleansing
- Common techniques and best practices

Error Handling
- Identifying common data errors
- Methods to rectify and manage errors

Master and Transaction Entity Modelling
- Introduction to entity modelling
- Differentiating master and transaction entities
- Building relationships between entities

Data Profiling
- Benefits and importance
- Techniques for data profiling in Power BI

Data Engineering II

Objective: Deep dive into advanced data engineering techniques for better integration and management.

Topics Covered:

Combining Source Systems

- Techniques to merge data from different systems
- Best practices for seamless integration

Conforming Master Entities

- Ensuring consistency across master data
- Handling discrepancies

Transaction Granularity

- Managing transaction-level data
- Importance of granularity in reporting

Parameterizing Data Source Connections:

- Introduction to parameterization
- Benefits and implementation in Power BI

Datamarts

- Overview and benefits
- Setting up datamarts for Power BI

Semantic Modelling I

Objective: Develop a strong foundation in building meaningful data models using DAX and other tools.

Topics Covered:

DAX Expressions for KPIs
- Introduction to DAX
- Creating and implementing KPIs

Time Intelligence
- Working with time-based data
- Time-related DAX functions

Grouping
- Techniques for grouping data
- Use cases and benefits

Hierarchy Management
- Building and managing data hierarchies
- Best practices in hierarchy creation

Semantic Modelling II

Objective: Master the nuances of DAX for advanced reporting and analytics.

Topics Covered:

Advanced DAX for Variance Analysis
- Deep dive into DAX for variance analysis
- Real-world examples and use cases

Security Design
- Implementing data security in Power BI
- Role-based security and best practices

Performance Monitoring and Analysis
- Tools and techniques for monitoring performance
- Optimizing reports and dashboards for speed

Dynamic Measure Selection
- Introduction to dynamic measures
- Techniques for creating and implementing dynamic measures

Data Visualization II

Objective: Elevate your data presentation skills with advanced visualization techniques.

 Topics Covered:

Advanced Analytic Features
- Diving deep into Power BI's analytic capabilities
- Custom calculations and analytics

Custom Navigation
- Designing custom navigation paths
- User experience best practices

Artificial Intelligence and Machine Learning
- Introduction to AI/ML in Power BI
- Implementing AI-powered insights and visualizations

Course Wrap-up and Feedback
- Q&A session
- Course feedback and improvement suggestions

Additional Materials and Resources:
- Hands-on exercises and case studies for each module
- Recommended readings and videos for deeper understanding

Participants are encouraged to actively engage in discussions, ask questions, and share their own experiences throughout the course. The hands-on approach will ensure that learning is practical and immediately applicable to real-world scenarios.