KIDS & TEENS FREELANCING TRAINING INSTITUTE

Power BI Course Outline

Module 1: Introduction to Power BI

- What is Power BI and how it's used in business for data analysis and visualization
- Real-life example: How companies use Power BI to track sales, performance, and marketing metrics
- Power BI components: Power BI Desktop, Power BI Service, and Power BI Mobile
- Activity: Create your first Power BI report from sample data

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Module 2: Data Loading and Transformation with Power Query

- Introduction to Power Query for importing and transforming data
- Real-life example: Cleaning sales data from an Excel file for analysis
- Basic transformations: Filtering, merging, and reshaping data
- Activity: Import and clean a dataset using Power Query

Module 3: Data Modeling – Building Relationships

- Understanding data models: Tables, relationships, and keys
- Real-life example: Combining sales and customer data for a comprehensive analysis
- How to use DAX (Data Analysis Expressions) for custom calculations
- Activity: Create a data model and build relationships between multiple tables

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Module 4: Visualizing Data – Creating Reports and Dashboards

- Introduction to Power BI visualizations: Charts, tables, maps, and more
- Real-life example: Designing a sales performance dashboard
- How to use slicers and filters to make reports interactive
- Activity: Create a sales report dashboard with multiple visuals

Module 5: Advanced Power BI Features – Custom Visuals and Analytics

- Exploring advanced visualizations and custom visuals from the marketplace
- Real-life example: Creating a financial dashboard with advanced visuals
- Using Power BI's analytics features: Trendlines, forecasting, and what-if analysis
- Activity: Add advanced visuals and analytics features to your reports

Module 6: Sharing and Collaboration in Power BI

- How to share Power BI reports and dashboards with others
- Real-life example: Sharing a project progress report with team members
- Setting up Power BI Service for collaboration and real-time updates
- Activity: Publish a report to Power BI Service and share with others

Module 7: Power BI for Business Decisions

- How Power BI helps businesses make data-driven decisions
- Real-life example: Using Power BI to track marketing campaigns or financial goals
- Key metrics for tracking and reporting business performance
- Activity: Analyze a business scenario and create a report for decision-making

Module 8: Power BI for Career Success

- How mastering Power BI enhances career opportunities in data analysis and business intelligence
- Real-life example: Jobs in data analytics, finance, and business intelligence
- The growing demand for Power BI skills in the job market
- Activity: Create a portfolio of Power BI reports to showcase your skills

Bonus Materials

- Power BI tips and tricks cheat sheet
- Practice datasets for hands-on exercises
- Access to Power BI community forums for further learning
- Interactive quizzes to test your Power BI knowledge
- Certificate of Completion for Power BI