POWER BI WITH AI



3 Hours per Day | **Total Duration: 30 Hours (10 Days)**

DAY 1 — Introduction to Power BI & AI

- Introduction to Business Intelligence and Power BI
- Power BI interface and components
- Data analytics workflow
- Introduction to AI in Business Intelligence
- **Practical:** Exploring the Power BI environment

DAY 2 — Website, SEO & Keyword Research

- Connecting to Excel, CSV, and databases
- Importing and managing data
- Understanding data types and relationships
- **Practical:** Importing business datasets

DAY 3 — Data Cleaning with Power Query

- Introduction to Power Query
- Cleaning and transforming data
- Handling missing values and duplicates
- Merging and appending queries
- **Practical:** Preparing clean datasets

DAY 4 — Data Modelling

- Understanding data models
- Creating relationships between tables
- Star schema concepts
- Calculated columns and measures
- **Practical:** Building a data model

DAY 5 — DAX Fundamentals

- Introduction to DAX
- Basic DAX functions
- Aggregation and logical functions
- Time intelligence basics
- **Practical:** Creating business calculations

DAY 6 — Data Visualization

- Creating charts, tables, and cards
- Selecting appropriate visuals
- Formatting reports
- KPIs and business metrics
- **Practical:** Developing interactive reports

DAY 7 — Advanced Power BI & Dashboards

- Filters and slicers
- Drill-down and drill-through
- Bookmarks and interactive features
- Dashboard design principles
- **Practical:** Creating an interactive dashboard

DAY 8 — AI Features in Power BI

- Introduction to AI visuals
- Key Influencers and Decomposition Tree
- Q&A and smart insights
- AI-assisted data analysis
- **Practical:** Generating AI-based insights

DAY 9 — Power BI Service & Collaboration

- Introduction to Power BI Service
- Publishing reports and dashboards
- Sharing and collaboration
- Data refresh concepts
- Data security basics
- **Practical:** Publishing a Power BI report

DAY 10 — Final Project

- Industry-based business problem
- Data import and transformation
- Data modelling and DAX
- Dashboard development
- AI-assisted insights and recommendations
- **Practical:** Final Power BI Dashboard Presentation