



SPYPRO SECURITY SOLUTIONS Pvt. Ltd.,

C Y B E R S E C U R I T Y

3-Day Workshop on Power BI with Generative AI

Day 1: Introduction to Power BI

Session 1: Core Java Basics

- What is Power BI & its real-world applications
- Power BI ecosystem (Desktop, Service, Mobile)
- Connecting to different data sources
- Data loading & basic transformations

Hands-On Activity

- Installing Power BI Desktop
- Importing Excel / CSV data
- Creating basic tables & charts

Session 2: Data Modeling & DAX Basics

- Understanding data models & relationships
- Introduction to DAX (Data Analysis Expressions)
- Calculated columns & measures
- Basic KPIs & filters

Hands-On Activity

- Creating measures using DAX
- Building interactive dashboards

Day 2: Advanced Power BI & Visualization

Session 1: Advanced Visualizations

- Power BI visuals & customization
- Slicers, filters & drill-through
- Interactive reports & storytelling
- Performance optimization basics

Hands-On Activity

- Designing professional dashboards
- Implementing drill-down & slicers

Session 2: Power BI Service & Automation

- Publishing reports to Power BI Service
- Dashboards & workspaces
- Data refresh & scheduling
- Introduction to Power BI automation

Hands-On Activity

- Publishing reports to cloud
- Sharing dashboards securely

Day 3: Generative AI Integration & Project

Session 1: Generative AI in Power BI

- Introduction to Generative AI concepts
- AI visuals in Power BI
- Using Copilot & AI insights
- Natural Language Q&A (Ask Questions)

Hands-On Activity

- Generating insights using AI visuals
- Using AI to create narratives & summaries

Session 2: Real-World Application & Project Building

- Power BI + Gen AI in business analytics
- Use cases: Sales, Finance, HR analytics
- Best practices for AI-driven dashboards

Project

Task: Build an AI-Powered Power BI Dashboard

Data Sources: Excel / CSV / Database

Features: Interactive dashboards , DAX-based KPIs ,AI-generated insights , Natural language queries

Tools Used:

- Power BI Desktop
- Power BI Service
- DAX
- Generative AI features

Closing Session:

- Presenting projects
- Q&A and feedback