Power BI Complete Course Outline (30 Lectures × 45 min)

Introduction & Setup (Lectures 1-3)

- Lecture 1: Power BI Overview, Licensing, Ecosystem
- Lecture 2: Installing Power BI Desktop, Interface Walkthrough
- Lecture 3: Connecting to Various Data Sources, Data Importing

Data Preparation & Transformation (Lectures 4-7)

- Lecture 4: Power Query Editor Basics – Cleaning, Transforming Data
- Lecture 5: Merging, Appending Queries, Data Shaping
- Lecture 6: Creating Relationships and Data Model Overview
- Lecture 7: Best Practices for Data Modeling

DAX Basics & Calculations (Lectures 8-11)

- Lecture 8: Introduction to DAX, Calculated Columns and Measures
- Lecture 9: Time Intelligence Functions, Aggregations
- Lecture 10: Row-Level Security with DAX
- Lecture 11: Advanced DAX – Variables, Filter Context, CALCULATE

Data Visualization (Lectures 12-16)

- Lecture 12: Basic Visuals – Bar, Column, Pie, Line
- Lecture 13: Advanced Visuals – Tree Map, Waterfall, Funnel, Gauge
- Lecture 14: Custom Visuals and Marketplace Visuals
- Lecture 15: Using Slicers, Filters, and Bookmarks
- Lecture 16: Designing Interactive Dashboards

Reporting & Sharing (Lectures 17-20)

- Lecture 17: Publishing to Power BI Service, Workspaces & Apps
- Lecture 18: Scheduled Refresh, Data Gateway Setup
- Lecture 19: Power BI Mobile Apps and Alerts
- Lecture 20: Collaboration and Commenting Features

AI & Advanced Analytics (Lectures 21-24)

- Lecture 21: AI-Driven Features – Q&A, Quick Insights
- Lecture 22: Integrating Power BI with Azure Cognitive Services
- Lecture 23: Using Power BI Copilot for Natural Language Queries
- Lecture 24: Predictive Analytics and Machine Learning Basics

Performance Optimization & Governance (Lectures 25-27)

- Lecture 25: Data Load and Model Optimization Techniques
- Lecture 26: Governance, Role-Based Security, Compliance
- Lecture 27: Audit Logs, Version Control, and Data Lineage

Real-World Projects & Best Practices (Lectures 28-30)

- Lecture 28: Real-Time Sales and Inventory Dashboard Project
- Lecture 29: Financial Analysis Dashboard with Power BI
- Lecture 30: Presentation, Report Storytelling, Interview Tips