

Excel Business Intelligence with AI Tools

Duration: 24 Hours

Prerequisite: -

- **Participants should have Intermediate Excel Knowledge (else 12 hours required)**
- **Latest Edition of Ms-Excel &(2019 or 2021)**
- **Only Windows Computer allowed for power Excel**

Module 1. Introduction To Power Excel

- Understanding the “Power Excel” Workflow
- Introduction to Power Query + Power Pivot

Module 2: Connecting & Transforming Data With Power Query.

- Introduction
- Getting to Know Power Query in Excel
- Exploring Excel's Power Query Editor
- Power Query Data Loading Options
- IMPORTANT: Updating Locale Settings
- Applying Basic Table Transformations with Power Query
- Power Query Demo: Text Tools
- Power Query Demo: Number & Value Tools
- Power Query Demo: Date & Time Tools
- PRO TIP: Creating a Rolling Calendar with Power Query
- Power Query Demo: Generating Index & Conditional Columns
- Power Query Demo: Grouping & Aggregating Records
- Modifying Excel Workbook Queries
- Merging Queries with Power Query
- Appending Queries with Power Query
- Power Query Demo: Connecting to a Folder of Files
- Excel Power Query Best Practices

Module 3: Building Table relationships with Excel Data Model.

- Introduction
- Meet Excel's "Data Model"
- The Data Model Data vs. Diagram View
- Principles of Database Normalization
- Understanding Data Tables vs. Lookup Tables
- Benefits of Relationships vs. Merged Tables
- Creating Table Relationships in Excel's Data Model
- Modifying Data Model Table Relationships
- Managing Active vs. Inactive Table Relationships
- Understanding Relationship Cardinality

Creating Dashboards

- Creating dashboards with Power Pivot
- Creating dashboards
- Using relational data for database
- Using DAX Functions.

Using AI Tools With Excel

- Introduction ChatGPT 3.5 vs ChatGPT 4 .
- Built In Excel AI Tools
- Getting Started With ChatGPT For Excel
- Using ChatGPT for Excel Formulas
- Data Cleaning & Transformation using ChatGPT
- Data Analysis Using Chat GPT
- Generating API key
- Integrating ChatGPT with MS-Excel

- How to use copilot
- Attaching data to copilot and finding solutions