

PL-7004: Implement AI models with Microsoft Power Platform AI Builder

Course Duration: 8 Hours

Course code: PL-7004

1. Course Overview

The PL-7004: Implement AI Models with Microsoft Power Platform AI Builder course equips learners with the skills to integrate and implement AI solutions using AI Builder within the Microsoft Power Platform. You will explore how to create, train, publish, and manage AI models to enhance business processes without requiring deep coding expertise. This course provides practical, hands-on experience to help you leverage AI Builder's prebuilt and custom AI capabilities, enabling smarter decision-making and improved productivity.

2. What you'll learn?

By the end of this course, you will be able to:

- Understand the capabilities and use cases of AI Builder in the Power Platform.
- Create and configure AI models such as form processing, object detection, and text classification.
- Train and publish AI models for real-world applications.
- Integrate AI models into Power Apps and Power Automate workflows.
- Monitor, evaluate, and improve AI model performance.
- Apply best practices for AI governance, compliance, and security.

3. Target Audience

This course is ideal for:

- Power Platform Developers and Solution Architects.

- Business Analysts and Functional Consultants.
- Data Analysts looking to integrate AI into workflows.
- IT professionals seeking to leverage AI without advanced coding skills.
- Anyone interested in automating business processes with AI.

4. Pre-Requisites

- Basic understanding of Microsoft Power Platform (Power Apps, Power Automate).
- Familiarity with data concepts and business process automation.
- General understanding of AI concepts is helpful but not mandatory.

5. Course content

Module 1: Introduction to AI Builder

- Overview of AI Builder and its role in the Power Platform.
- Key AI model types and business use cases.

Module 2: Working with Prebuilt AI Models

- Using prebuilt models for quick deployment.
- Integration with Power Apps and Power Automate.

Module 3: Creating and Training Custom AI Models

- Building models for form processing, object detection, and prediction.
- Data preparation and training process.

Module 4: Publishing and Using AI Models

- Publishing models for use in apps and flows.
- Embedding AI models into business applications.

Module 5: Managing and Monitoring AI Models

- Model performance tracking and improvement.
- Retraining and version control.

Module 6: AI Governance and Best Practices

- Compliance, data privacy, and ethical AI use.
- Security considerations in AI deployments.

