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Learning Style: Virtual Classroom

Technology: Microsoft

Difficulty: Beginner

Course Duration: 3 Days

Build Intelligent Applications (AB-410)



About This Course:

This course teaches learners how to design and build intelligent applications on the Microsoft Power Platform by using AI, copilots, and agents to solve real business problems. Learners explore how Power Apps, Power Automate, Power Pages, Copilot Studio, and AI-enabled capabilities work together to create agent-first, AI-enhanced solutions that improve productivity, decision-making, and user experience

Course Objectives:

By the end of this course, learners should be able to:

- Design intelligent applications using Microsoft Power Platform.
- Apply AI, copilots, and agents to solve business problems.
- Analyze business requirements and select appropriate Power Platform components.
- Build AI-enhanced solutions using Power Apps.
- Use Power Automate to create intelligent automation.
- Understand how Power Pages can be incorporated into intelligent application solutions.
- Use Copilot Studio and agents to enhance application capabilities.
- Integrate AI capabilities to improve application behavior and user experience.
- Understand governance and responsible AI usage when developing intelligent applications.

Audience:

- This course is designed for individuals who want to learn how to build intelligent applications using the Microsoft Power Platform and are new to using AI, copilots, and agents in solution design. It is ideal for learners with a general understanding of business processes or app building who want to develop the skills to analyze requirements, select appropriate Power Platform components, and create AI-enhanced solutions. The course introduces how AI and agents can improve application behavior, automation, and user experience, while also building awareness of governance and responsible use as learners begin their journey into intelligent app development.

Prerequisites:

- Basic knowledge of business processes or application development is recommended. No formal prerequisites are required.

Course Outline:

Module 1: Get Started with AI-First Solutions

- AI-first solution design
- Generative AI and prompt creation
- AI-powered Plans
- Copilot capabilities and solution architecture

Module 2: Build Your Data Model with Microsoft Dataverse

- Dataverse tables and columns
- Relationships and data modeling
- Data import and management
- Security roles

Module 3: Build Intelligent Apps and Portals

- Power Apps canvas apps
- Model-driven apps
- Forms, charts, and dashboards
- Power Pages
- Copilot-assisted app development

Module 4: Automate and Extend Solutions with AI

- Power Automate cloud flows
- Dataverse triggers and actions
- Approval workflows
- AI Builder prompts
- AI-powered automation

Module 5: Build Intelligent Agents and Solutions

- Copilot Studio
- AI agents
- Integrating agents with applications and workflows
- Extending Power Platform solutions with AI