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Power Platform Mastery

Build, Automate & AI-Enable

FA-0363 · 3 Days

Agentic & Generative AI · AI for Leaders & Business · Automation, RPA & Power Platform

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Introduction

From App Concept to Intelligent Automation in 3 Days

The way we build software solutions is changing dramatically. Low-code platforms like Power Apps and Power Automate are putting the power to create directly into the hands of people who understand business problems best—no lengthy development cycles or complex coding required. When you add AI and Copilot into the mix, it's like having a skilled partner working alongside you, suggesting solutions and helping bring your ideas to life faster than ever before.

Over three intensive days, you'll learn to harness these powerful tools with guidance from someone who's spent more than three decades solving real business challenges in enterprise environments. Together, we'll build applications that actually work, automate the processes that eat up your team's time, and explore how AI can make your solutions smarter and more intuitive.

This isn't about learning abstract concepts—it's about developing practical skills you can use immediately. Whether you're looking to streamline operations, solve persistent workflow problems, or create tools that make your colleagues' lives easier, you'll walk away with the confidence and know-how to make it happen.

Learning outcomes

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

- Design and build Canvas and Model-driven Power Apps tailored to business needs
- Create and manage complex flows in Power Automate with conditions, approvals, and enterprise-grade governance
- Seamlessly integrate Power Apps with Power Automate for event-driven automation
- Leverage AI Builder and Copilot to automate document processing, natural-language scripting, and pattern detection

- Understand governance, monitoring, and AI-capacity administration in Power Platform
- Deploy intelligent workflows that use generative AI and natural language capabilities within enterprise processes

Prerequisites

- Basic familiarity with Microsoft 365 and Azure environments
- Comfort using SharePoint, Excel, and Dataverse / CDS
- Understanding of basic concepts in app logic and automations
- Access to Power Apps and Power Automate via Microsoft 365 or trial account

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Training outline

1. 1. Power Apps Foundations

- Overview of Power Platform ecosystem and roles of Power Apps & Power Automate
- Differences and use cases: Canvas vs Model-driven apps
- Power Apps Studio environment, navigation, and components
- Built-in connectors: SharePoint, Dataverse, SQL, Teams
- Working with forms, galleries, controls, variables, collections, formulas

2. 2. Advanced App Functionality

- Data integration: APIs, Dataverse relationships, and external sources
- Complex screen navigation and app state management
- Optimizing performance in Canvas apps
- Embedding apps into SharePoint/Teams
- Security fundamentals: Environments, roles, and permissions

3. 3. Introduction to Power Automate

- Flow types: Automated, Instant, Scheduled, Desktop, and Business Process Flows
- Creating flows with triggers, conditions, loops, and actions
- Error handling, concurrency controls, and run history insights
- Building approval-based workflows with built-in connectors

4. 4. Power Apps & Power Automate Integrated Workflows

- Triggering flows from Power Apps and returning data/results
- Practical end-to-end exercise: Submit, approve, and notify app
- Case study: modern approvals via Dataverse row triggers

5. 5. Bringing in AI Builder

- Overview: AI Builder models and use cases
- Text classification, form processing, object detection in workflows
- Hands-on: Build a form processing model and integrate it into Power Automate

6. 6. Copilot & Generative AI in Power Platform

- New AI features in 2025: Copilot, prompt-builder, custom model access
- Natural-language flow creation & AI-driven script transformations
- Use-cases: From "When invoice arrives…" to full approval & category flow

7. 7. Deep Reasoning and Agentic Automation

- Overview of agentic AI and its relevance in workflows
- Microsoft's Deep Reasoning agents in Copilot for data and research
- Practical setup of an AI-augmented automation with self-correcting logic

8. 8. Governance, Monitoring & AI Management

- Admin interface and environment controls for AI Builder
- Flow governance: Monitoring, concurrency, auditing
- Using automation center and diagnostic tools in Power Automate

9. 9. Real-World Scenarios & Roadmap

- Cross-platform integration: Teams, Power BI, Azure services
- Performance tuning and handling large data sets
- Best practices from the field—common pitfalls and production-ready patterns
- Roadmap: Wave 1 updates (AI governance, custom generative models, document intelligence)

This in-depth structure ensures you leave with not only a solid understanding but also practical, AI-enhanced solutions you can implement immediately.

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