

# **Agents and Automation with Power Platform**

**Duration: 24 hrs**

## **Overview:**

Learn how to easily create and customize AI-powered copilots that boost productivity and streamline tasks — no coding needed. We'll guide you through real-world examples, step-by-step demos, and how Copilot Chat, Copilot Studio and Power Automate works with Microsoft 365 apps. By the end, you'll be ready to build smart, time-saving solutions for your team or business.

## **Course Objectives:**

In this course, you will learn:

- Create Agents from scratch
- Customize agents
- Create topics and triggers
- Integrate Gen AI capabilities in the Agent
- Integrate Power Automate

## **Course Content:**

### **Lesson 1- Introduction**

- Introduction to Power Platform
- Introduction to Agents in Microsoft
- Introduction to Power Automate
- Creating and setting up Environments
- Creating and setting up Solutions

### **Lesson 2 - Building Your First Agent**

- Understanding Copilot Chat
- Creating agents in Copilot Chat using Templates
- Creating agents in Copilot Chat from scratch
- Leveraging public websites as knowledge sources in Copilot Chat

### **Lesson 3 – Getting Started with Copilot Studio**

- Creating a new bot in Copilot Studio
- Designing and structuring topics
- Using trigger phrases and simple message nodes
- Real-time testing and feedback loop

### **Lesson 4 – Designing Smart Conversations with AI**

- Using message vs. question nodes effectively
- Capturing user input with entities and variables
- Setting up custom entities
- Using slot-filling for guided conversations
- AI-assisted topic creation and modification

### **Lesson 5 – Getting Started with Power Automate**

- Capabilities of Power Automate
- Components of Power Automate
- Introduction to Cloud Flows
- Introduction to RPA

### **Lesson 6 – Cloud Flows**

- Introduction to Data Connectors
- Types of Cloud Flows
- Using Copilot to build cloud flows
- Creating Instant Cloud Flows
- Creating Automated Cloud Flows
- Creating Scheduled Cloud Flows
- Introduction to AI Builder
- Creating your own AI model

### **Lesson 7 – Desktop Flows**

- How desktop flows work
- Creating Desktop Flows with Power Automate
- Using Recorder to create Desktop Flows
- Setting up variables in desktop flows
- Introduction to sub flows
- Browser and Excel actions in Desktop flows

## **Lesson 8 – Integrating Desktop Flows and Cloud Flows**

- Setting up Power Automate Machine Runtime
- Managing Machines in Power Automate
- Creating connections
- Integrating Power Automate Desktop flows within Cloud Flows

## **Lesson 9 – Making the agents smarter**

- Orchestration in Copilot Studio
- Integrating Power Automate Flows in Agents
- Creating new agent flows within Power Automate
- Introduction of Tools in Copilot Studio
- Using tools in Copilot Studio
- Using Knowledge Sources to generate responses
- Triggers in Copilot Studio
- Setting up triggers to make the agent autonomous

## **Lesson 10 –Integration & Deployment**

- Publishing to web, Teams, or other channels
- Setting user authentication
- Supporting multiple languages in an agent
- Introduction to Multi agent integration