



# Microsoft Power Automate Flow with RPA

## Target Audience

This course is designed for business professionals, IT administrators, automation specialists, and developers who want to leverage Microsoft Power Automate's Robotic Process Automation (RPA) capabilities. It is ideal for those looking to automate repetitive tasks, integrate legacy applications, and optimize business processes using attended and unattended RPA flows.

## Course Objective

The objective of this course is to equip participants with the skills and knowledge to design, develop, and manage automated workflows using Microsoft Power Automate's cloud flows and desktop flows (RPA). Participants will learn how to streamline business processes by integrating AI, UI automation, and connectors with Power Automate.

## Course Outcome

- **Understand and implement Power Automate RPA flows** to automate manual, rule-based tasks across various applications and systems.
- **Build and manage attended and unattended desktop flows** to interact with legacy and modern applications, improving efficiency and reducing human intervention.
- **Monitor, troubleshoot, and optimize automated workflows using** Power Automate's analytics and governance tools to ensure reliability and scalability.

## Course Outline

The course comprises **24-hours** of theory and labs and is divided into **10** different chapters. Each chapter will be followed by **hands-on lab exercises** to reinforce learning and gauge understanding of the topics covered.



## **Module 1. An Introduction to Power Automate**

- What is Microsoft Power Automate?
- The benefits of automation
- How to get to Power Automate
- Lab 1: Setup your tenant and Create accounts for colleagues

## **Module 2. Getting Started with Power Automate**

- Using Power Automate templates
- Navigating in Power Automate
- Editing a Power Automate
- Publish and trigger a Power Automate
- Turn off or delete a Power Automate
- Lab 2: Build an absence business process
- Lab 3: Business process to Notify Bad Ratings

## **Module 3. Power Automate Logic**

- Adding conditions
- Designing switches
- Using Apply to each
- Configuring do-until logic
- Adding a scope
- Lab 4: Scheduling documentation reviews

## **Module 4. Integration**

- Standard and premium connectors
- Connecting to web services
- Using Flow with on-premises data
- Lab 5: Using Power Automate and SQL to Review Sales

## **Module 5. Introduction to Power Automate Desktop**

- Set up the environment
- Software installation
- Explore Power Automate Desktop
- Power Automate Desktop actions



- Record Power Automate Desktop actions
- Edit and test recorded actions
- Create your first Power Automate Desktop flow
- Lab 6: Getting Started with Power Automate Desktop

## **Module 6. Define input and output parameters in Power Automate**

- Define an input variable
- Set input variables
- Define output variables
- Add UI elements and test
- Lab 7: Creating a Simple Input-Output Flow

## **Module 7. Integrate desktop flow with Outlook connector in Power Automate Desktop**

- Introduction
- Setup in Power Automate
- Build a cloud flow that is triggered in Outlook
- Test your new flow
- Lab 8: Building an Email Notification Flow

## **Module 8. Connect a cloud flow to a desktop flow in Power Automate Desktop**

- Create a gateway connection
- Create a new cloud flow
- Connect your cloud and desktop flows
- Test your new connection
- Lab 9: Integrating Power Automate Desktop with Power Automate Cloud

## **Module 9. Use AI Builder to process invoice forms in Power Automate**

- Create a form processing flow
- Add fields and collections of documents
- Analyze and train a model
- Integrate the model into a cloud flow



Lab 10: Creating an Invoice Processing Flow using AI Builder

## **Module 10. Run a Power Automate Desktop flow in unattended mode**

Set up an unattended desktop flow

Create a new cloud flow that calls an existing flow in unattended mode

Perform a test run

Best practices

Lab 11: Setting up an Unattended Automation Flow