



Microsoft Power Automate Desktop: Web Automation Mastery

Target Audience

This course is designed for business professionals, automation specialists, RPA developers, IT administrators, and citizen developers who want to master web automation using Microsoft Power Automate Desktop. It is ideal for those looking to automate repetitive web-based tasks, extract data from websites, and streamline browser interactions without manual intervention.

Course Objective

The objective of this course is to equip participants with the skills to design, develop, and manage automated workflows for web-based processes using Microsoft Power Automate Desktop. Participants will learn how to automate browser interactions, extract and manipulate web data, and integrate web automation into broader business workflows.

Course Outcome

- **Develop and implement automated web workflows** using Power Automate Desktop to interact with websites, fill forms, and navigate web pages.
- **Extract, process, and manipulate web data** from structured and unstructured sources to improve business efficiency.
- **Optimize and troubleshoot web automation scripts** by applying best practices in error handling, data validation, and performance tuning.

Course Outline

The course comprises **32-hours** of theory and labs and is divided into **9** different chapters. Each chapter will be followed by **hands-on lab exercises** to reinforce learning and gauge understanding of the topics covered.



Module 1. Introduction to Power Automate Desktop

- Overview of Power Automate Desktop
- Installation and setup
- Understanding the Power Automate Desktop interface

Module 2. Recording and Playing Back Automation

- Recording user interactions
- Editing and enhancing recorded steps
- Running and debugging automation flows

Module 3. Handling Variables and Data Manipulation

- Introducing variables and their types
- Using expressions for data manipulation
- Working with arrays and collections

Module 4. Conditionals and Decision Making

- Implementing conditional logic in automation flows
- Using if-else statements and switch cases
- Handling exceptions and errors

Module 5. Loops and Iterations

- Introduction to loops and iterations
- Implementing for loops and while loops
- Working with loop controls and exit conditions

Module 6. Web Automation

- Introduction to web automation
- Launching and controlling web browsers
- Automating interactions with web forms and pages
- Lab: Scheduling documentation reviews



Module 7. File and Folder Operations

- Performing file and folder operations
- Working with file types, paths, and properties
- Automating file-related tasks and processes

Module 8. Data Integration and External Sources

- Connecting to external data sources (e.g., Excel, SQL server)
- Importing and exporting data using connectors
- Using data from external sources in automation flows

Module 9. Error Handling and Notifications

- Handling errors and exceptions in automation flows
- Implementing error handling techniques and strategies
- Sending email notifications for error reporting