



BUILD POWER APPS WITH POWER AUTOMATE

Course ID : POWER-PF-B1



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Duration: 3 Days

(18 Hours) 09:00 AM – 04:00 PM



Price: Call

* In-house training only

* Eligible for 200% tax deduction



Training Schedule

www.9experttraining.com

Category: Power Platform, Robotic Process Automation

Learn how to develop low-code/no-code applications using Power Apps and enhance them by integrating with Power Automate. Power Automate is a digital automation platform that enables you to automate workflows across various services, such as sending emails, recording data in Excel Online and SharePoint Lists, managing files, and building approval systems with automated notifications.

In this course, you will learn how to design and build applications with Power Apps, integrate them with Power Automate, and create automated workflows through intensive hands-on workshops.

Objectives

1. Understand the capabilities of Power Apps
2. Build applications that can search, edit, delete, and store data in SharePoint and Excel
3. Integrate Power Automate workflows within Power Apps
4. Develop an approval workflow system

Target Audience

1. Citizen Developers / Power Users who want to build non-complex apps with Power Apps.
2. Developers who want to build Low Code applications.
3. IT Directors and IT Management.

Prerequisites

1. No prior experience with Power Apps or Power Automate is required.
2. General computer skills, such as file management and using a web browser.
3. Basic knowledge of Microsoft 365 such as Excel, Outlook, SharePoint, and OneDrive.

System Requirements

1. Windows 10 / 11
2. License: Microsoft 365 (Business Basic or higher)
3. Mobile | Tablet: Android 10 or later / iOS 13 or later
4. Microsoft Edge, Google Chrome (latest three major releases)
5. Internet connection

TRAINING TOPICS



DAY 1 Morning Session

9:00 AM – 12:00 PM

1. Getting Started with Power Automate

- Introduction to Microsoft Power Platform
- Introduction to Power Apps
- Understanding Power Apps and Its Capabilities
- Understanding Power Apps Licensing
- Understanding App Types in Power Apps
- Building a Canvas App
- Designing Apps for Mobile and Tablet Layouts
- Managing App Settings
- Introduction to Power Apps Studio

2. Working with Connectors

- Introduction to Connectors
- Understanding Standard Connectors
- Understanding Premium Connectors



DAY 1 Afternoon Session

1:00 PM – 4:00 PM

3. Building a Power Apps App from a Data Source

- Creating apps using data sources such as SharePoint and Excel
- Understanding generated screens: Browse, Details, and Edit
- Displaying and sorting data
- Customizing controls for data presentation

- Publishing apps and configuring security
- Deploying apps to mobile and tablet devices
- Case Study: Personnel management application (CRUD + image capture)

4. Understanding Power Apps Controls

- Button, Text, Label, Form, Gallery, Data Card, Date Picker

DAY 2 Morning Session

9:00 AM – 12:00 PM

5. Building Apps with Power Fx

- Introduction to Power Fx (Excel-like formula language)
- Using the Formula Bar
- Working with text, numbers, and dates
- Adding comments
- Using operators
- Displaying user profile information
- Creating and navigating between screens
- Calling device functions (phone call, email, URL)

6. Advanced Power Fx

- Conditional logic
- Variables and scope
- Search and filtering techniques
- Dropdown filtering
- Data lookup across sources



DAY 2 Afternoon Session

1:00 PM – 4:00 PM

7. Working with Data

- Managing data in Microsoft 365
- Connecting data sources
- Working with Collections and Tables
- Using Forms
- Creating, updating, and deleting data
- Handling images
- Case Study: Product search system with image and data storage

8. Getting Started with Power Automate

- Overview of RPA and DPA
- Introduction to Power Automate
- Power Automate Cloud vs Desktop
- Business automation scenarios
- Accessing and licensing Power Automate



DAY 3 Morning Session

9:00 AM – 12:00 PM

9. Workflow Types in Power Automate

- Understanding workflow types
- Automated flow
- Instant flow
- Scheduled flow
- Desktop flow
- Business process flow

10. Integrating Power Apps with Power Automate

- Building flows
- Defining triggers
- Passing parameters between Power Apps and Power Automate
- Calling flows from Power Apps
- Case Study: Email notification system

14. Realtime Dashboard with Power BI

- Integrating Power Automate with Power BI datasets
- Building real-time dashboards
- Case Study: Real-time analytics dashboard

 **DAY 3** Afternoon Session

1:00 PM – 4:00 PM

11. Building Approval Workflows

- Designing approval processes
- Configuring input/output parameters
- Managing approval conditions (Approved / Rejected)
- Recording approval data
- Case Study: Purchasing approval system

12. Control Flow in Power Automate

- Creating workflows
- Handling loops and repeated actions
- Using conditions (IF statements)

13. Expressions and Formulas

- Date functions
- Mathematical functions
- Text functions
- Case Study: Timestamp generation (Thailand timezone)



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Tel 02-219-4304



training@9expert.co.th



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