

KOENIG SOLUTIONS • COURSE OUTLINE

PowerApps Masterclass: Building and Automating Solutions

Learn to build model-driven and canvas apps, automate flows, and integrate Dataverse, Power Pages and Power BI with Power Platform.

40 Hours

DURATION

8

MODULES

60

TOPICS

COURSE OVERVIEW

This course will teach how to build apps with low-code techniques to simplify, automate, and transform business tasks and processes using Microsoft Power Platform. This course will allow you to practice your App Maker skills by creating an end-to-end solution to solve a problem for a fictitious company. The solution will include a Microsoft Dataverse database, Power Apps canvas app, and Power Automate flows.

WHO THIS COURSE IS FOR

App Makers

Business Analysts

Automation Developers

Power Platform Developers

Citizen Developers

PREREQUISITES

Audience prerequisites

- Basic data modelling, user experience design, requirements analysis, and process analysis skills.
- A personal growth mindset and are comfortable using technology to solve business problems.
- An understanding of the operational need and have a vision of the desired outcome. They approach problems with phased and iterative strategies
- Basic understanding of programming concepts, with fundamental knowledge of any programming language for few advance concepts.

LEARNING OBJECTIVES

After completing this course, students will be able to:

- Fundamentals of Power Platform
- Design apps and automate workflows
- Integrate components with Power apps
- Working with Dataverse and Power Pages

8 Modules, 60 Topics

01

Getting Started with Microsoft Power Platform

TOPICS

Components of Power Platform · Data Connectors · Manage environments and Solutions

02

Microsoft Dataverse

TOPICS

- What is a relational database?
- Introduction to Microsoft Dataverse
- Create and manage tables in Microsoft Dataverse
- Create and manage columns in Microsoft Dataverse
- Create relationships between tables in Dataverse
- Create and define calculated and rollup columns in Dataverse
- Load data into Dataverse
- Manage security in Microsoft Dataverse

03

Model-driven Apps in Power Apps

TOPICS

Introduction to model-driven apps · Create model-driven apps · Design forms · Design views · Design charts · Design dashboards · Manage settings and security model-driven app · CRUD operations in Model Driven apps

04

Canvas Apps in Power Apps

TOPICS

- Introduction to canvas apps
- Create a canvas app in Power Apps
- Using and describing controls in a canvas app in Power Apps
- Writing PowerApps Expressions
- Navigation in a canvas app
- Displaying Data using Galleries
- Filters and sorting Data in Canvas
- Creating and editing Forms
- Variables and Collections
- CRUD operations and Patch
- Managing apps in Power Apps
- Connect to multiple external Connectors in canvas apps
- Delegation in Power Apps
- Designing Reusable Components
- UI Guidelines and best practices

05

Automate Your Processes with Power Automate

TOPICS

- Overview of Power Automate
- Creating cloud flows with Power Automate
- Triggers and Actions in Power Automate cloud flows
- Flow Control Actions
- Creating Approval Flows
- Understanding Parallel branches in Flows
- Introduction to expressions in Power Automate
- Test and troubleshoot your flows
- Overview of Flows with Microsoft forms
- Handling errors in power Automate

06

Integrating PowerApps with External Systems

TOPICS

Calling External Services using HTTP Actions · Child Flows · Creating and testing Custom Connectors · Configuring a Custom Connectors to use OAuth

07

Designing and Developing Power Pages

TOPICS

Introduction to Power Pages · Core components of Power Pages · Explore Power Pages design studio · Creating a simple website using Power Pages · Power Pages Security

08

Integrating PowerApps with Power BI

TOPICS

- Overview of Power BI
- Data Lifecycle in Power BI
- Tools of Power BI
- Adding Power BI tiles in Power Apps
- Extending Power BI Reports using Canvas Apps
- Automating Tasks in Power BI Reports
- Power BI Dashboard Alerts

WHAT IS INCLUDED

Everything You Need to Succeed

- Koenig course material for every module
- Delivery by certified instructors and subject matter experts
- Hands-on exercises throughout the course
- Course completion certificate from Koenig

ABOUT KOENIG

Who We Are

Established in 1993, Koenig Solutions is a globally recognised training provider with 35+ technology partnerships, 5,000+ training programmes and a network of certified instructors and subject matter experts, supporting individuals and enterprise teams worldwide.

FLEXIBLE DELIVERY

Learn the Way That Suits You

Classroom Training

Live Online Classes (ILO)

Fly-Me-A-Trainer (FMAT)

Flexi (Self-Paced)

1-on-1 Training

Ready to Get Started?

Talk to a learning advisor about schedules, group training and customised delivery.

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