

KOENIG SOLUTIONS · COURSE OUTLINE

Power Apps: Basic to Advanced (Business Integration)

Learn to build model-driven and canvas apps, automate workflows, and visualise data using Power Apps, Power Automate, and Power BI.

40 Hours

DURATION

7

MODULES

59

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

Power Platform Developers

Automation Specialists

Data Analysts

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

LEARNING OBJECTIVES

After completing this course, students will be able to:

- Design apps and automate workflows
- Create apps and automate workflows
- Analyse and visualize data in context of an app or automated workflow
- Implement and manage apps and automated workflows

7 Modules, 59 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/export data in Microsoft Dataverse
- Manage Power Platform and Dataverse Settings
- Manage security in Microsoft Dataverse
- Audit and Logs

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
- Use specialized components in a model-driven form
- Manage settings and security model-driven app
- CRUD operations in Model Driven apps
- Web resources

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
- Create formulas to change properties of a canvas app
- Navigation in a canvas app
- Managing apps in Power Apps
- Connect to multiple external Connectors in canvas apps
- Connect with Active Directory in Power Apps
- CRUD operations in Canvas apps
- Common issues and resolutions for Power Apps

05

Automate Your Processes with Power Automate

TOPICS

- Introduction to automation in Dataverse
- Overview of Power Automate
- Creating cloud flows with Power Automate
- Triggers and Actions in Power Automate cloud flows
- Creating Approval Flows
- Introduction to expressions in Power Automate
- Test and troubleshoot your flows
- Error handling
- Manage connections

06

Get Started with Visualising Data with Power BI

TOPICS

- Overview of Power BI
- Explore what Power BI can do for you
- Data Lifecycle in Power BI
- Tools of Power BI
- Prepare Data with Power BI
- Define your Data model
- Visualise data in Power BI
- Creating Reports in Power BI service
- Protect, publish, and share data in Power BI
- Create dashboards in Power BI
- Manage workspaces and datasets in Power BI

Advance Components

TOPICS

- Application Lifecycle Management
- Interoperability with other services
- Overview of pipelines in Power Platform
- Integrate Power Apps with Power Automate and Power BI
- Introduction to Gateways
- Plugins

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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