

KOENIG SOLUTIONS • COURSE OUTLINE

Mastering Power Apps with Analytics and Automation

Learn to build canvas and model-driven apps, model data in Dataverse, automate workflows and analyse data with Power BI.

40 Hours

DURATION

7

MODULES

44

TOPICS

COURSE OVERVIEW

This all-encompassing course is designed to equip participants with the skills to leverage the Microsoft Power Platform, enabling them to build applications, analyse data, and automate business processes effectively. The curriculum covers Canvas and Model-Driven Apps, empowering learners to create custom apps with dynamic interfaces and robust data modelling capabilities using Dataverse. Participants will also gain expertise in Power Automate, learning to design and manage automated workflows for process optimization, task approvals, and system integrations. The course delves into Power BI, teaching how to create interactive dashboards, embed visualizations, and generate actionable insights from data. Through a mix of practical labs and theoretical insights, learners will develop skills in creating end-to-end solutions, integrating Power Platform tools seamlessly to address complex business needs. By the end of this course, participants will be capable of designing intelligent, data-driven applications and automations to enhance productivity and decision-making.

WHO THIS COURSE IS FOR

Power Apps Developers

Business Analysts

Data Analysts

Process Automation Specialists

IT Administrators

PREREQUISITES

Audience Pre-requisites

- 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.

What You Will Learn

- Describe the components of the Power Platform and connectors
- Create and manage tables, columns and relationships in Dataverse
- Define calculated, rollup columns and business rules
- Build and customise canvas apps using Power Fx formulas
- Design model-driven apps with forms, views and dashboards
- Configure security roles and environment permissions in Dataverse
- Build interactive Power BI reports and dashboards
- Automate business processes and desktop flows with Power Automate

COURSE SYLLABUS

7 Modules, 44 Topics

01

Power Platform Overview

TOPICS

Introduction to Power Platform · Environments and Solutions · Connectors

02

Experiencing Data Model

TOPICS

- Create and manage tables in Microsoft Dataverse
- Create and manage columns
- Create relationships between tables
- Create and define calculated and rollup columns
- Define and create business rules
- Types of Power App

03

Canvas Application

TOPICS

- Get started with Power Apps
- Customize a canvas app in Power Apps
- Navigation in a canvas app in Power Apps
- Power Fx formulas
- Performance monitoring and best practices
- Test your Power Apps application
- Integrating with cloud-based services like SQL server, azure etc.
- Connecting APIs to canvas apps using custom connectors

04

Model Driven Application

TOPICS

Design and create model-driven apps · Configure forms · Configure views · Configure charts · Configure dashboards · Create business process flows

05

Security and Governance

TOPICS

- Get started with security roles in Dataverse
- Learn how to add users to an environment
- Setting up role-based security
- Configuring environment permissions
- Integrate with Azure Active Directory (Azure AD) for authentication

06

Analyse Data with Power BI

TOPICS

Introduction to Power BI and Power BI Demo · Data Modelling · Visualizations · Publishing and accessing Reports · Building a Dashboard and Sharing

07

Automating Processes with Power Automate

TOPICS

- Introduction to Power Automate
- Types of Flows
- **Flow logics:** Conditionals and loops
- Getting started with desktop flows
- Use Outlook email to trigger desktop flows and pass inputs
- Integrate Power BI data alerts with Power Automate
- Using AI Builder services in power automate to process documents
- Deployment of power automate flows using solutions
- Understanding power automate licensing model
- Using azure services in power automate
- Sharing and import/export of flows

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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