


App Development,
Automation and AI
Solutions with
Power Platforms &
Copilot Studio



Agenda

Introduction

Program Overview

Month 1: Foundations in Power Apps

Month 2: Workflow Automation with Power Automate

Month 3: AI-Powered Solutions with Copilot Studio

Course Details

Course Duration

- 3 Months

Schedule

- Weekend Classes
- 3 hours each weekend

Eligibility

- Beginners to Intermediate-Level Professionals

Mode

- Live Online Sessions
- Hands-On Labs

Course Overview

3-Month In-Depth Training Program

- Comprehensive curriculum covering automation and AI
- Hands-on projects and real-world applications

Real-World Applications

- Practical use cases and industry scenarios
- Integration with Power Platform tools

Industry Expert Tutors

- Learn from experienced professionals
- Gain insights from industry leaders

Program Description

Hands-on Training in Power Platform Tools

- Power Apps for low-code app development
- Power Automate for workflow automation
- Copilot Studio for AI enhancements

Designed for Beginners to Intermediate Professionals

- Suitable for those new to the platform
- Intermediate users can deepen their skills

Skills Development

- Develop low-code applications
- Automate business workflows
- Enhance apps with AI capabilities

Program Outcomes



Program Highlights

Real-World Projects

- Hands-on labs simulate industry scenarios

Certification Guidance

- Resources and support for relevant Power Platform certifications

Community Access

- Connect with peers and industry professionals in automation and AI-driven tools

Comprehensive Curriculum

- From foundational skills to advanced functionalities across Power Apps, Power Automate, and Copilot Studio

Hands-On Labs: Data Integration

Connecting to Sample Data Source

- Use Excel or SharePoint as data sources
- Ensure data source is properly formatted

Displaying Data in Canvas App

- Use gallery control to display lists of data
- Use form control to display detailed data



Working with Forms and Controls

Form Controls for Data Input and Submission

- Essential for capturing user data
- Facilitate user interactions with the form

Using Various Controls

- Dropdowns: Allow users to select from a list of options
- Sliders: Enable users to choose a value within a range
- Toggles: Provide a switch between two states
- Date Pickers: Allow users to select a date

Introduction to Power Apps

Weekend 1: Introduction to Power Apps

- Overview of Power Platform and Power Apps
- Basics of low-code development and its business applications
- Setting up Power Apps environment and understanding the user interface
- Hands-On Labs:

Weekend 2: Data Integration in Power Apps

- Introduction to data sources: SharePoint, Excel, Dataverse, and SQL
- Connecting data sources to Power Apps
- Creating data connections and using tables within apps
- Data validation techniques within forms
- Hands-On Labs:

Weekend 4: Customizing App Layout and Design

Introduction to Power Automate

Introduction to Power Automate

- Overview of Power Automate
- Role in workflow automation

Types of Flows

- Automated Flows
- Instant Flows
- Scheduled Flows

Hands-On Labs: Simple Workflows

Hands-On Labs

- Creating simple automated workflows

Setting up Trigger-Based Flows

- Using connectors like Outlook and SharePoint

Integrating Power Automate with Power Apps

Using Power Automate flows within Power Apps

- Integrate automated workflows directly into apps
- Enhance app capabilities with automation

Passing data between Power Apps and Power Automate

- Seamless data transfer for efficient processes
- Ensure data consistency across platforms

Leveraging cloud flows to enhance app functionality

- Utilize cloud-based automation for advanced features
- Improve app performance and user experience



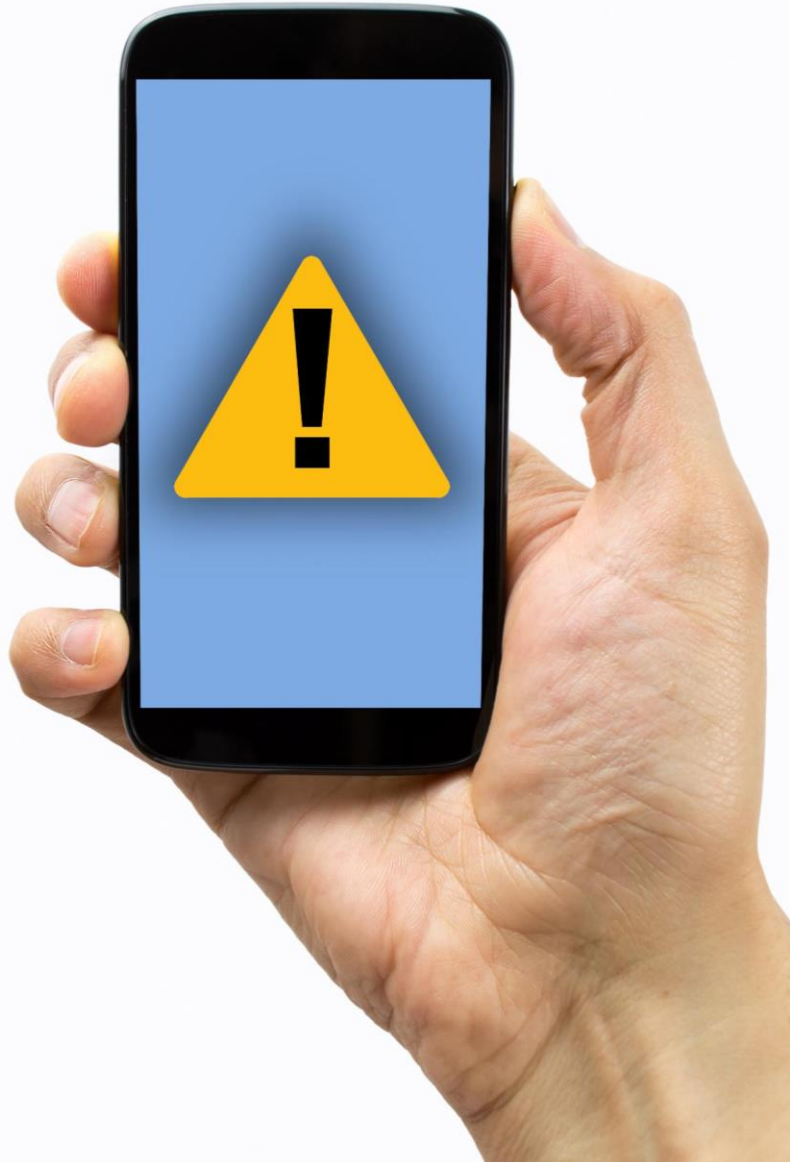
Hands-On Labs: Integration

Connecting an app to a Power Automate flow

- Automated data submission

Configuring real-time updates

- Power Automate to Power Apps



Document Management and Notifications

Automating Document Creation and Management

- Using Power Automate for automation

Setting Up Notifications and Alerts

- Email notifications
- Teams notifications
- Mobile notifications

Automating Business Processes

Approval Processes with Power Automate

- Streamline approval workflows
- Integrate with existing systems

Using Conditions and Loops for Complex Workflows

- Implement conditional logic
- Create dynamic workflows

Error Handling and Troubleshooting in Flows

- Identify common issues
- Implement error handling strategies

Hands-On Labs

- Building an approval workflow
- Configuring conditional logic for dynamic workflows

Introduction to Copilot Studio

Introduction to Copilot Studio

- Overview of Copilot Studio and AI integration with Power Platform
- Basics of AI models and language models
- Setting up Copilot for Power Apps and Power Automate

Building Intelligent Workflows in Power Automate

Leveraging AI-driven automation in workflows

- Enhancing efficiency through AI
- Reducing manual intervention

Using Copilot for automated data classification and response

- Streamlining data management
- Improving response accuracy

Analyzing AI-driven insights for workflow optimization

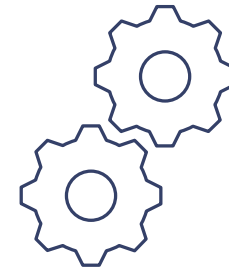
- Identifying areas for improvement
- Implementing data-driven changes

Hands-On Labs: Intelligent Workflows



Creating intelligent workflows

Adapt based on AI feedback



Setting up Copilot

Analyze workflow outcomes

Adjust actions accordingly

Final Project and Wrap-Up

Capstone Project

- Designing a solution with Power Apps
- Utilizing Power Automate
- Incorporating Copilot Studio

Best Practices

- Deployment of solutions
- Maintenance of solutions

Certification Guidance

- Next steps in Power Platform learning

Hands-On Labs: Initializing Copilot

Initializing Copilot in Power Apps

- Experimenting with basic Copilot suggestions in workflows

Adding Intelligent Suggestions

- Using Copilot for data analysis and insights
- Customizing AI responses for business use cases

Implementing Copilot Features

- Providing insights within apps
- Configuring AI-driven suggestions based on user input

Final Project Presentation

- End-to-end app with workflow and AI integration
- Project review and feedback from tutors