The Modern Excel
Power Apps Advanced

Table Slicer PivotTable PivotChart Interactive Dashboards

Data Model DAX Power Pivot Power Query Power BI Excel Online

Table of Contents

Power Automate Advanced – The Transformational Skills

A customizable course according to your company's requirements.

Duration

16 hours

Objectives

1. Advanced Workflow Automation Strategies

2. Integration with External Systems

3. Advanced Conditions and Expressions

4. Advanced Approval Flows

5. Advanced Integration with Power Platform

6. Advanced Administration and Governance

7. Real-world Applications and Case Studies

Pre-requisite

You must have worked on Excel and SharePoint for at least 12 months.

Outline of Power Automate Advanced Course:

1. Advanced Workflow Automation Strategies

1.1 Orchestrating Complex Workflows

- Handling intricate workflows with branching and parallel flows
- Implementing advanced conditional logic for precise automation

1.2 Error Handling and Troubleshooting

- Strategies for effective error handling in automated processes
- Advanced troubleshooting techniques for complex flows

1.3 Advanced Approvals and Parallel Processing

- Implementing advanced approval processes with multiple approvers
- Leveraging parallel processing for faster and more efficient workflows

2. Integration with External Systems

2.1 Advanced Data Connectors

- Exploring and utilizing advanced data connectors
- Integrating with external services and APIs for comprehensive automation

2.2 Advanced Data Transformations

- Performing complex data transformations within Power Automate
- Manipulating data formats and structures for seamless integration

2.3 Integrating with Custom Applications

- Connecting and automating processes with custom-built applications
- Utilizing custom APIs for tailored integration scenarios

3. Advanced Conditions and Expressions

3.1 Complex Expressions and Functions

- Mastering advanced expressions and functions in Power Automate
- Creating dynamic conditions for precise workflow control

3.2 Dynamic Content and Dynamic Expressions

- Leveraging dynamic content and dynamic expressions for flexibility
- Building dynamic workflows that adapt to changing conditions

3.3 Advanced Data Filtering and Querying

- Implementing advanced data filtering techniques
- Querying and manipulating data with precision in automated processes

4. Advanced Approval Flows

4.1 Multi-Stage Approvals

- Designing multi-stage approval processes with Power Automate
- Configuring sequential and parallel approval steps for complex scenarios

4.2 Custom Approval Actions

- Creating custom approval actions with adaptive cards and templates
- Enhancing the user experience within approval flows

4.3 Escalation and Notification Strategies

- Implementing escalation mechanisms for pending approvals
- Configuring advanced notification strategies for approvers and stakeholders

5. Advanced Integration with Power Platform

5.1 Power Automate and Power Apps Integration

- Integrating Power Automate with Power Apps for seamless solutions
- Building advanced applications with integrated workflows

5.2 Power Automate and Power BI Integration

- Automating data flows and reports in Power BI using Power Automate
- Enhancing data-driven decision-making with integrated analytics

5.3 Advanced Power Automate and Power Virtual Agents Integration

- Integrating chatbots and virtual agents with Power Automate
- Creating intelligent and automated conversational experiences

6. Advanced Administration and Governance

6.1 Environment Management

- Strategies for managing multiple environments in Power Apps
- Promoting apps through development, testing, and production stages

6.2 Advanced Monitoring and Analytics

- Utilizing advanced monitoring tools and analytics for flow performance
- Implementing proactive measures for optimizing automated processes

6.3 Security Best Practices

- Implementing advanced security measures for Power Automate
- Ensuring data privacy and compliance in automated workflows

7. Real-world Applications and Case Studies

7.1 Building Complex Automation Solutions

- Designing and implementing complex automation solutions
- Analyzing real-world business challenges and providing advanced solutions

7.2 Industry-specific Customizations

- Tailoring Power Automate for specific industry needs
- Showcasing successful industry-specific automation applications

7.3 Q&A and Troubleshooting

- Engaging in in-depth discussions with experts
- Addressing participant questions and providing insights