

The Modern Excel Power Apps Advanced





















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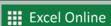






Power Query







Data Model







# <u>Power Automate Advanced – The Transformational Skills</u>

A customizable course according to your company's requirements.

### **Duration**

16 hours

### **Objectives**

- 1. Advanced Workflow Automation Strategies
- 2. Integration with External Systems
- **Advanced Conditions and Expressions**
- **Advanced Approval Flows**
- 5. Advanced Integration with Power Platform
- 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.





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Power BI

Interactive Dashboards

**Excel Online** 





# **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





PivotTable



PivotChart



Interactive Dashboards

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# 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



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Power BI



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## 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









**Power Query** 

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