Power Automate Mastery: Cloud, Desktop, and Power Apps Integration

Course Objective:

This comprehensive course covers both cloud and desktop automation using Microsoft Power Automate. You will start with the basics of the Power Platform, learning to navigate the Power Automate interface, create flows, and manage users and environments. You'll then dive into automation logic, including conditions, loops, parallel branches, and advanced concepts such as AI integration and error handling. The course also includes Power Automate Desktop, teaching you to automate Excel, PDF, files, folders, and Outlook, while ensuring seamless workflow automation. Additionally, an introduction to Power Apps helps bridge automation between Power Automate and apps, further enhancing your workflow capabilities. Perfect for anyone looking to automate repetitive tasks and boost productivity.

Course Outcome:

- Develop the skills to create and manage automated workflows in both Power Automate Cloud and Desktop.
- Gain expertise in implementing complex automation logic, including conditions, loops, and parallel processing, while effectively handling errors and exceptions within workflows.
- Learn to integrate AI Builder for automated data extraction and utilize both popular and custom connectors to enhance functionality and connectivity across various applications.
- Acquire the ability to trigger Power Automate flows directly from Power Apps.

Course Outline

The course comprises **56-hours** of theory and labs and is divided into **7** different chapters. Each chapter will be followed by **hands-on lab exercises** to reinforce learning and gauge understanding of the topics covered.

Module 1: Power Automate Cloud – Getting Started

- What is Microsoft Power Platform
- Navigating Power Automate Cloud Interface
- Creating Flow from Blank
- Triggers and Actions
- Creating Flow from Template
- Dynamic Content and Expressions
- Power Automate – Flow Management
- Managing users and Environments in Power Automate
- Sharing, Exporting and Importing Flow

Module 2: Power Automate Cloud – Automation Logic

- Adding Conditions
- Using Apply to Each
- Designing Switch Control
- Configuring Do until Logic
- Parallel Branches
- Adding Scope to Organize Flows
- Terminating a Workflow
- Working with Variables

Module 3: Power Automate Cloud – Advanced Concepts

- Approval Requests Flow
- Composite Flows
- Integrating AI Builder for automated data extraction
- Using Popular and Creating custom Connectors
- Handling errors in workflows
- Security/Permissions in Power Automate Cloud
- Co-pilot in Power Automate Cloud

Module 4: Power Automate Desktop - Getting Started

- Navigating Power Automate Desktop Interface
- Creating a flow in flow designer
- Automating Workflows with Desktop and Web Recorders

Module 5: Power Automate Desktop – Automation Logic and Error Handling

- If Else Condition
- Switch Case
- Loop Actions
- Exception and Error Handling

Module 6: Desktop Automation: Excel, PDF, File, Folder & Outlook

- Excel Automation
- File and Folder Automation
- PDF Automation
- Outlook Automation
- Compression Actions

Module 7: Introduction to Power Apps

- Navigating Power Apps Interface
- Exploring Power Apps Templates
- Canvas Apps Fundamentals
- Connecting Power Apps to data sources
- Publish and Share Power Apps
- Bring Power Apps to Other Services
- Model-driven Apps Fundamental
- Debug and Export an App
- Triggering Power Automate Flows from Power Apps