Course Name: Microsoft Power Apps Essentials

Synopsis

Ready to supercharge your business processes? Dive into the world of Microsoft Power Apps and transform your ideas into functional, custom applications with ease! In this high-energy course, you'll learn how to build intuitive apps without coding, automate tedious tasks, and seamlessly integrate with Microsoft Excel. Whether you're aiming to streamline operations or create impactful solutions, Power Apps equips you with the skills to innovate and lead. Join us and turn your visions into reality—empower your workflow and drive efficiency like never before!

What You Will Learn

- **Introduction to Power Apps:** Understand the fundamentals of Power Apps and its role within the Microsoft Power Platform
- **Creating Model-driven Apps:** Learn how to build apps based on complex data structures using Dataverse for data storage and management, and configure views, forms, and dashboards to create a dynamic user experience.
- **Designing and Customizing User Interfaces:** Develop responsive and intuitive layouts, implement design best practices for an enhanced user experience, and customize themes and styles to align with organizational branding.
- **Automating Processes with Power Automate:** Integrate Power Apps with Power Automate to automate workflows and business processes, and learn to create and manage flows that interact with various services and applications.
- **Connecting to Data Sources:** Explore various data connectors to integrate external data sources and understand how to leverage APIs and custom connectors for advanced integrations.
- **Building and Managing Portals:** Learn to create and configure Power Apps Portals for external users, and customize portal content and layout to deliver a seamless user experience.

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- **Testing and Debugging Apps:** Learn best practices for testing your apps to ensure functionality and performance, and use debugging tools to troubleshoot and resolve issues.
- **Deploying and Sharing Apps:** Learn how to publish and share your apps with users or across your organization, while understanding versioning, app lifecycle management, and monitoring app usage.

Who Should Attend

This course is designed to cater to the needs of anyone curious about low-code development and eager to explore new tools for creating innovative applications.

Prerequisite

N/A

Course Methodology

- Theory
- Hands-On
- Discussions
- Interactive Classroom Session

Course Duration

2 day(s) - 9am - 5pm

Course Structure

Session 1: _How to Generate Your First App in Minutes_

o   Build your first app within minutes using Power Apps
o   Running your App in the browser

Session 2: Connecting to Excel

o Use Built -in connections to utilize Excel as a database for a full-fledged application

Session 3: Customizing Your App

o Make your app unique by changing themes and customizing styles beyond the built-in options

Session 4: Formulas and Functions

o Understand and use formulas and functions to display and manipulate data in Power Apps, similar to Excel

Session 5: Triggers

o Respond to specific user events, such as button clicks using triggers

Session 6: Forms in Power Apps

o Learn the specifics of how forms work in Power Apps and how to implement them

Session 7: How to Publish your App

o Discover how to publish your app so others can use it, and learn how to run in on your phone

Session 8: Creating a Power Apps Theme and Templates

o   Learn best practices for structuring your app with themes and templates for easier future changes

Session 9: Power Apps Navigation

o   Build an intuitive navigation system for your app from scratch

Session 10: Adding New Pages in Power Apps

o   Duplicate pages using templates to ensure everything in your app is linked to the theme

Session 11: Adding and Customizing Galleries

o   Add and customize galleries to display data logically

Session 12: The Search Function

o   Use the powerful search function to create a search bar within your gallery

Session 13: The Filter Function

o   Filter data sources according to the specified criteria using the filter function

Session 14: The Lookup Function

o   Lookup values from a second table using the Lookup function, similar to VLookup in Excel

Session 15: The Remove Function

o   Delete records from a data source using the remove function, and integrate it into your app

Session 16: Adding Multiple Data Sources

o   Learn to add and manage multiple data sources to create complex applications

Session 17: Variables in Power Apps

o   Understand and use the three main types of variables in Power Apps: Context Variables, Global Variables, and Collections, with practical examples

Session 18: Building a Modal

o   Create a modal from scratch to enhance the user experience in your app

Session 19: Data Comparisons in Power Apps

o   Use DateDiff and other date functions like Today, Date, Year, Month, and Day for date comparisons

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Session 20: Opening External Apps from Power Apps

o   Use the Launch function to open external applications such as phone, email, websites, and other Power Apps applications

Session 21: Populating Dropdowns from a Table

o   Populate dropdowns from a table and filter out duplicates correctly

Session 22: Cascading Dropdowns

o   Implement cascading dropdowns to elevate the user experience of your apps