

Power apps - Enhanced UI development

Duration: 24 Hours

Course Description:

This elaborate course on Power Apps provides an in-depth understanding of the Power Apps, focusing on building and enhancing canvas applications. Participants will learn to create intuitive user interfaces, add functionality, and connect to various data sources. The course covers essential topics such as Power Apps canvas UI elements, logical operators, connectors, and security and governance. By the end of the course, attendees will be proficient in designing, deploying, and managing canvas Power Apps, ensuring they can create robust and secure applications for their organizations.

Audience Pre-requisites:

- Basic data modelling, user experience design, requirements analysis, and process analysis skills.
- A personal growth mindset and are comfortable using technology to solve business problems.
- An understanding of the operational need and have a vision of the desired outcome.
- Basic understanding of JSON, CLI, Visual studio code etc.

Course Content:

Module 1: Power Platform Overview

- Introduction to Power Platform
- What is Microsoft Power Apps
- Power Apps Licensing
- Understanding PowerApps Environment
- Power Apps Canvas Studio

- JSON in Power Apps

Module 2: Power Apps UI Elements

- Adding and Working with Controls
- Container Control
- Control Properties
- Grouping controls
- Variables in Power Apps
- Contextual variables
- Text controls
- Adding Actions to Text controls
- Image and Video Controls
- Buttons, Shapes and Icons
- Check box, toggle box, Date Picker
- DropDown Vs. Combo Box
- Gallery Vs. Data Table
- Charts in Canvas Apps

Module 3: Add Functionality to Power Apps

- Logical and Comparison Operators
- Filters in Power apps
- Improving items display using Vertical Gallery
- Inserting item into a collection - Form design

- Inserting item into a collection - Adding code
- Improving collection item view
- Usage of Patch Function
- Adding a calculated column to a collection
- Work with Aggregates
- Accessing Contextual variables in other screens

Module 4: Connectors in Power Apps

- Types of Connectors
- Connecting Power Apps with Excel/SharePoint/OneDrive
- Display and Edit form
- Working with Edit Forms
- PowerApps integrated in SharePoint
- Customise SharePoint forms using Power Apps
- Converting a text field to Lookup in SharePoint
- Using SharePoint as data source
- Search, Filter and Delegation
- Calling Power Automate Flows from Power Apps
- Sending Emails from Power Apps

Module 5: Security and governance

- Power Apps Security Roles
- Packaging an App with dependencies (Power Automate Flow)

- Deploying Power App to a new environment
- Power Apps Components
- Overview of PCF
- Creating a PCF in canvas apps.