Course Overview – 1 day course

Become a Citizen Developer

PowerApps is the go-to tool to use when it comes to mobile application development. Described as the “citizen application development platform”, it allows anyone and everyone to build their own app without having to be a professional app developer or coder. The point-and-click approach to building makes it foolproof, and anyone can successfully make their own app, from the CEO to the factory floor worker. Users can choose from templates and go on to customise them, or build their own apps straight from a blank canvas. Once built, apps can be easily published to the web, iOS, Android and Windows 10.

What do I need to know to attend?

➢ Intermediate Excel skills is required, knowledge of formulas and functions

Learning Outcomes

➢ Understand low-code App development
➢ Create Apps from a data source
➢ Understand the building blocks of an App
➢ Create an App from a blank canvas
➢ Create connections to multiple data sources
➢ Understand how to set behaviours using formulas

Detailed Content

About PowerApps

What Is PowerApps?
Who Is the Citizen Developer?
PowerApps And Office 365
How Dynamics 365 Relates to PowerApps
Understand Licensing Options
Accessing PowerApps
PowerApps Home Screen

Building A PowerApp

Introduction to PowerApps
Environments
Understanding types of apps
Mobile or Tablet apps
What is the Common Data Service (CDS) for Apps
How Dynamics 365 relates to PowerApps

Data Sources and Connections

Introduction to data sources and connections
Available data sources and connections
Connecting to a SharePoint list

The PowerApps Studio

Introduction to the PowerApps Studio
Navigating the PowerApps Studio
Working with the PowerApps Studio

How does An App Work?

Introduction to components of an app
Understanding screens
Understanding controls
Understanding properties

Using Gallery Controls
Using Form Controls
Saving your App

Coding in PowerApps

How Much Code is low code?
Formulas and Functions
Formatting of Formulas and Functions
Referencing Other Controls
Using Variables in PowerApps

Using Data Sources

Data Connections in PowerApps
Accessing Data in Controls
Delegation in PowerApps

PowerApps Settings

Configuring App Settings and Features
Saving and Sharing
- Saving Your App
- Closing Your App
- Versioning Control
- Sharing Apps with Others
- Viewing Shared Apps
- Exporting a PowerApps
- Loading a Locally Saved App File

Creating an App from Blank
- Introduction of our case study
- Planning your app
- Exploring your data
- Creating a blank app
- Creating a SharePoint connection
- Connecting to static Excel Spreadsheets
- Creating an Office 365 connection

Customising your Blank App
- Introduction to building and customising your app
- Adding Screens
- Adding Shape Controls
- Adding Images
- Adding Text Labels
- Uploading Images
- Using the OnSelect Property
- Adding Navigation
- Aligning Objects
- Creating Control Groups

Editing and displaying data
- Adding Galleries
- Customising A Gallery Control
- Adding Controls to a Template Cell

Filtering Your Data
- Adding Combo Box Controls
- Adding Slider Controls
- Adding Date Picker Controls
- Searching Gallery Items

User Experience
- Understanding User Experience
- Creating App behaviours to inform users

Using Forms to Display Items
- Adding Forms
- Using Display Forms

Calculating Values
- Using the OnChange Property
- Creating Variables
- Using Variables in Formulas

Updating Our Data Source
- Using the Patch Function
- Patching Different Data Types

Sending Emails in PowerApps
- Using the Outlook Data Connector
- Using the SendEmail function

Using the Mobile App
- Downloading the PowerApps App
- Accessing your Apps
- Viewing list of Apps
- Favourite Apps
- Pin shortcut to home screen
- Windows 10 PowerApps App

PowerApps Functions Covered
- Colours
- Concatenation
- Distinct
- Filter
- First
- If
- Isblank
- Lookup
- Navigate
- Office365 Outlook
- Office365users
- Operators
- Patch
- Set
- Sort
- Startswith
- Sum
- Text
- Thisitem
- Operator
- User
- Value
- Variables