

# PowerApps - Beginner

## 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

# PowerApps - Beginner

## 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