



## 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 desired, 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
- Understand how to set behaviours using formulas
- Use Flow to add work-flows to your App
- Integrate with Power BI to take action with your data



### Detailed Content

#### Course Introduction

What is PowerApps  
Who is the citizen developer  
Introducing the Power Platform  
How PowerApps fits into Office 365  
Understand licensing options  
Accessing PowerApps  
PowerApps home screen

#### Building a PowerApp

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

How Dynamics 365 relates to PowerApps  
Creating an app from data

#### 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  
The controls pane  
The properties pane  
The properties dropdown  
The formula bar

The ribbon  
The app canvas

#### What Makes Up An App

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

#### Coding in PowerApps

How much coding do we need to do  
Editing properties  
Formulas and Functions  
Using functions  
Defining behaviours using formulas



## PowerApps - Beginner

### **Saving and Sharing PowerApps App**

- Choosing app setting
- Advanced app settings
- Preview and experimental features
- Saving and Publishing
- Versioning control
- Exporting a PowerApp
- Sharing Apps with others

### **Creating an App from Blank**

- Introduction of our case study
- Planning your app
- 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 Controls
- Adding labels
- Adding Icons
- Adding Images

- Setting Properties
- Creating control groups
- Adding Navigation

### **Editing and displaying data**

- Adding Forms
- Using Edit Forms
- Using Display Forms
- Adding and changing fields in forms
- Setting DisplayMode on fields

### **Storing information in your App**

- Understanding Collections
- Creating and managing your collections
- Accessing Collections using formulas

### **Using formulas to control behaviour**

- Recap on formulas and functions
- Note about delegated functions
- Adjusting settings for delegated data
- The IF function
- The Lookup function
- The Patch function
- The IsSelected property

### **Testing your App**

- Using Play/Preview mode
- Testing in Edit Mode

### **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

### **Using Flow with PowerApps**

- Introducing Microsoft Flow
- Creating a Flow to run from PowerApps
- Sending a success message back to PowerApps

### **Using PowerApps in Power BI**

- Introduction to Power BI
- Inserting PowerApps (custom visual) in Power BI Service
- Creating a PowerApps to interact with Power BI data