Faysal Aziz

Course outline for MS Power Pack

FA-0467 · five-day

Software Development · DevOps, Cloud & Infrastructure · Data & Analytics · Automation, RPA & Power Platform

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Introduction

This course is a five-day course designed to cover **MS Power apps** and work with **Share point** and gradually move into **Power BI**. This training module starts from the basics of the Power Platform and takes you to building fully functional apps that interact with external data sources.

The course is extremely hands-on and will be conducted via projects and real data sourced primarily from Kaggle.

Learning outcomes

The learners by the end of this course, may be expected to:

- Understand the usage of MS POwer Apps
- How to add functionality to the apps that are built using PowerApps
- How to connect PowerApps to external sources
- How to customize SharePoint forms using Power Apps
- How to perform additional functionalities to SharePoint forms
- One Drive integration
- Learn about the Power BI editor and environment.
- Explore Connectors
- Basic Transformations
- String and Numeric tools
- Index & Conditional Columns
- Grouping & Aggregating Data
- Filtering & Cross-Filtering

- Hiding Fields from the Power BI Report View
- DAx Intro
- Calculated Columns vs. Measures
- Row Context vs. Filter Context in Power BI
- Syntax for DAX
- Common Power BI Functions
- Basic Date & Time Formulas

Note: The above is just a guideline and must not in any way be construed as a guarantee either implied or expressed in any way. The actual outcome de[ends largely on the participants' intellect and commitment.

Prerequisites

- MS Live account
- MS Windows System
- Dual Screen
- Internet Connection
- Basic understand of filing systems
- BAsic understanding of Internet operations (upload / download / access shared resources)
- Internet Connection
- Ability to communicate in English and understand technical terms

Training outline

1. Adding and working with controls

2. Working with container control

3. Understanding control colors and opacity

4. Dynamically changing control properties at run-time

5. Grouping controls

6. Power Apps Simple vs Complex controls

7. If and Contextual variables in Power Apps

8. Text Label and Text Input

9. Adding some actions to Text input

10. HTML text and Rich Text Editor

11. Working with Image and Video controls

12. Working with Buttons, Shapes and Icons

13. Checkbox, Toggle and Date Picker are the easiest to work with

14. Dropdown, List and Radio

15. Simple controls review

16. Connecting Power Apps to Microsoft Excel on SharePoint/OneDrive

17. Using Collect, Patch and Remove with Microsoft Excel files

18. Display form and Edit form

19. How to use "Edit form"

20. SharePoint and Power Apps - Hosting Power apps inside SharePoint

21. Preparing SharePoint site for our demo

22. Customizing SharePoint forms using Power Apps

23. Converting a text field to Lookup in SharePoint using Power Apps

24. Using SharePoint as data source for Power Apps

25. Explore Connectors

26. Basic Transformations

27. String and Numeric tools

28. Index & Conditional Columns

29. Grouping & Aggregating Data

30. Pivoting & Unpivoting

31. Modifying, Merging & Appending Queries

32. Connecting to Folders

33. Normalization

34. Data ("Fact") Tables vs. Lookup ("Dimension") Tables

35. Creating Relationships

36. Schemas and comparisons

37. Active vs. Inactive Relationships

38. Relationship Cardinality

39. Connecting Multiple Data Tables

40. Filtering & Cross-Filtering

41. Hiding Fields from the Power BI Report View

42. DAx Intro

43. Calculated Columns vs. Measures

44. Row Context vs. Filter Context in Power BI

45. Syntax for DAX

46. Common Power BI Functions

47. Basic Date & Time Formulas

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