

POWER PLATFORM TRAINING CURRICULUM

Total Duration: 80 hours (10 days)

Day 01:

POWER APPS

Create a model-driven application in Power Apps

- Introduction to model-driven apps and Microsoft Dataverse
- Get started with model-driven apps in Power Apps
- Create and manage tables in Microsoft Dataverse
- Create and manage fields within a table in Microsoft Dataverse
- Working with choices in Microsoft Dataverse
- Create a relationship between tables in Microsoft Dataverse
- Define and create business rules in Microsoft Dataverse
- Create and define calculated or rollup fields in Microsoft Dataverse
- Get started with security roles in Microsoft Dataverse □ Dual Write vs Virtual Tables

Day 02:

Create a canvas app in Power Apps

- Use imperative development techniques for canvas apps in Power Apps
- Author an advanced formula that uses tables, records, and collections in a canvas app in Power Apps
- Perform custom updates in a Power Apps canvas app
- Complete testing and performance checks in a Power Apps canvas app
- Work with relational data in a Power Apps canvas app
- Work with data source limits (delegation limits) in a Power Apps canvas app
- app
- Connecting to other data (Including on premises data) in a Power Apps canvas app
- Use custom connectors in a Power Apps canvas app Document and test your Power Apps application

- Creating custom connectors in powerapps
- Connecting to custom APIs
- Develop offline capable canvas powerapps for windows and mobile devices

Day 03:

Extending Power Platform

- Introduction to Power Platform developer resources
- Use developer tools to extend the Power Platform
- Introduction to extending the Microsoft Power Platform
- Introduction to Microsoft Dataverse for developers
- Extend plug-ins for Dataverse
- Introduction to web resources
- Performing common actions with client script
- Automate business process flows with client script
- Get started with Power Apps component framework
- Build a Power Apps code component
- Use advanced features with Power Apps component framework
- Work with Microsoft Dataverse Web API
- Integrate Microsoft Dataverse Azure solutions

Day 04:

POWER PAGES

Module 1: Introduction

- Introduction
- Try Power Pages

Module 2: Design and Build

- Create new web site from template
- Design studio
- Pages

- Navigation bar
- Edit components
- Add text, button and media (video) component
- Additional components
- Styling

Module 3: Data Modelling

- Dataverse and Power Pages
- Data, tables, and forms
- Multistep Form
- Using code components
- Use Liquid
- Integrate with Power Automate

Module 4: Administration

- Manage Sites
- Set up, identity providers, and permissions

Day 05:

POWER AUTOMATE

Automate a business process using Power Automate Online

- Build more complex flows with Power Automate
- Introduction to business process flows in Power Automate
- Understand advanced business process flow concepts in Power Automate
- Using complex expressions in Power Automate
- Creating custom connectors
- Advanced usage of AI Builder in Power Automate
- Parent and Child flows in Power Automate Online

Day 06:

Copilots with Power Platform

Introduction

- Get started working with environments
- Create copilot and work with the copilot studio interface
- Create topics
- Test bots

Create bots with copilot studio and Dataverse for Teams

- Create your first chatbot
- Create and modify topics
- Add inputs, variables, and conditions
- Call an action to pull in Dataverse for Teams data
- Publish and share your new chatbot

Enhance Copilot bots

- Use Power Automate to add actions
- Transfer conversations to agents by using Omnichannel for Customer Service
- Create topics for existing support content
- Analyze bot performance

Manage topics in Copilot Studio

- Work with bot topics
- Branch a topic
- Work with entities
- Variables
- Work with fallback topics
- Manage topics

Set up a Microsoft Copilot Studio copilot for voice

- Deploy the necessary extensions
- Set up the handoff to your customer service application
- Set up for voice

Use Azure AI Services for Language in a Microsoft Copilot Studio

- Azure AI Services for Language
- Define your bot
- Call your service
- Deploy your bot

Integrate the Power Virtual Agent

- Use advanced artificial intelligence features
- Use entities and slot filling in Power Virtual Agents bots
- Add end-user authentication to a Power Virtual Agents
- Send proactive messages from and cards in teams

Configure and customize the bot

- Share your copilot with other users
- Configure data loss prevention for copilots
- Configure user authentication in copilots
- Configure user authentication with Microsoft Entra ID
- Configure your bot to start the conversation automatically
- Customize the look and feel of a copilot

Publish and Integrate

- Publish your bot
- Configure the demo website and add the bot to your live website

- Add a bot to Power Pages
- Add a chatbot to Microsoft Teams

Administration and Analyze

- Analyze bot performance and usage in Copilot studio
- Analyze customer satisfaction for Copilots
- Analyze session information in Copilot studio
- Analyze topic usage in Copilot studio
- View billed sessions for Copilot studio

Day 07, 08, 09, 10:

POWER BI

The PL-300T00: Microsoft Power BI Data Analyst curriculum Koenig sent to my mailbox In

addition to the above stated curriculum:

Power BI Desktop

- Introduction to Workflow in the Power BI Desktop
- Different Views of the data model
- Exploring the Query Editor Interface
- Required the Power BI Settings

Query Editor

- Introduction to Query Editor
- About Attached Data
- Connecting to the Power BI Desktop to the Data
- Appending Queries and Editing Rows
- Replacing Values and Editing Columns
- Pivoting and Unpivoting Data
- Formatting Data

- Creating a new group for queries
- Star Schema
- Referencing and Duplicating Queries
- Entering the Data Manually
- Merging the Queries
- Extracting Information and Duplicating Columns
- Creating the Conditional Columns
- Performing the fundamental Mathematical Operations
- Loading the Data and Improving the Performance in the Data Model

Data and Relationship Views

- Data Model & Query Editor
- Overview of Relationships
- Editing the Relationships
- Cardinality
- Many-to-Many Relationship & Cross Filter Section
- Active Properties
- DAX & M-Language
- DAX, Measures, and Calculated Fields
- Data Categorization
- DAX will include the complex functions like SUM, SUMX, ALL EXCEPT, RELATED, CONCATENATE, LOOKUPVALUE, DATEADD, IF, DIVIDE, SEARCH, etc. □ Categorizing the Data

❖ **For labs – PL 400 will be included.**