POWER PLATFORM TRAINING CURRICULUM

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 an 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

- 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 APPS PORTALS

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

- Create an immersive business process flow 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:

POWER VIRTUAL AGENT

Introduction

- Get started working with environments

- Create bots and work with the Power Virtual Agents interface

- Create topics

- Test bots

Create a chatbot with Power Virtual Agents 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 Power Virtual Agents 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 Power Virtual Agents

- Work with bot topics

- Branch a topic

- Work with entities

- Variables

- Work with fallback topics

- Manage topics

Set up a Power Virtual Agents bot for voice

- Deploy the necessary extensions

- Set up the handoff to your customer service application

- Set up for voice

Use Azure Cognitive Services for Language in a Power Virtual Agents bot

- Azure Cognitive 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
- Use Microsoft Bot Framework

Configure and customize the bot

- Configuration of Power Virtual Agents
- Configure data loss prevention for Power Virtual Agents chatbots
- Configure user authentication in Power Virtual Agents
- Configure user authentication with Azure Active Directory
- Configure your bot to start the conversation automatically
- Customize the look and feel of the bot's default canvas

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
- Add bot to Facebook

- Add bot to mobile and custom apps

Administration and Analyze

- Analyze bot performance and usage in Power Virtual Agents

- Analyze customer satisfaction for Power Virtual Agents bots

- Analyze session information in Power Virtual Agents

- Work with conversation transcripts

- Analyze topic usage in Power Virtual Agents

- View billed sessions for Power Virtual Agents in Teams

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.**