Enterprise Computing Solutions - Education Services

TRAINING OFFERING

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PL-200T00: Microsoft Power Platform Functional Consultant

CODE:	LENGTH:	PRICE:
MCS_PL-200T00	40 Hours (5 days)	€2,590.00

Description

Microsoft Power Platform empowers organizations to automate business processes, develop their own rich app experiences, and connect with customers better and faster. In this course, students will learn to perform discovery, capture requirements, engage subject matter experts and stakeholders, translate requirements, and configure Microsoft Power Platform solutions and apps. They will supplement their learnings with hands-on labs to create application enhancements, custom user experiences, system integrations, data conversions, custom process automation, and custom visualizations. Microsoft Power Platform is comprised of four key products: Power Apps, Power Automate, Power BI, and Power Virtual Agents. In this course, we will cover these four applications in depth, with additional focus on Microsoft Dataverse, AI Builder, connectors, and portals.

Objectives

- Work with an organization to gather requirements and implement Microsoft Power Platform solutions
- Build model-driven, canvas, and portal apps
- Create Power Automate flows
- Design a simple chatbot using Power Virtual Agents
- Analyze data using Power BI visualizations and dashboards

Audience

A Microsoft Power Platform Functional Consultant is responsible for creating and configuring apps, automations, and solutions. They act as the liaison between users and the implementation team. The functional consultant promotes utilization of solutions within an organization. The functional consultant may perform discovery, engage subject matter experts and stakeholders, capture requirements, and map requirements to features. They implement components of a solution including application enhancements, custom user experiences, system integrations, data conversions, custom process automation, and simple visualizations.

Prerequisites

- Experience as an IT professional or student
- Working knowledge of Microsoft Power Platform and its key components
- Knowledge of Microsoft Dataverse (or general data modeling) and security concepts

Programme

Module 1: Introduction to Microsoft Power Platform
This module will provide the learner with background about Microsoft Power Platform and its 4 key components: Power Apps, Power Automate, Power BI, and Power Virtual Agents.
Lessons
Microsoft Power Platform overview
Lab : Validate lab environment
After completing this module, students will be able to:
Identify the key components of Microsoft Power Platform
Module 2: Work with Dataverse
In this module, students will learn about creating a data model in Microsoft Dataverse, including importing data, using tabular reporting options, and configuring security. They will also learn about creating easy AI with AI Builder.

Lessons
Work with tables
Understand data types and behavior
Configure security settings
Lab : Create an app
Lab : Create tables and columns
Lab : Create relationships
Lab : Additional table settings
After completing this module, students will be able to:
Understand tables, columns, rows, and relationships
Configure a data model in Dataverse
Work in an environment within the Microsoft Power Platform admin center
Module 3: Make model-driven apps with Power Apps
In this module, students will learn the business value of Power Apps model-driven apps. They will then learn to how to configure and design them, including user experience considerations.
Lessons
Building blocks of model-driven apps
Design model-driven apps
Forms and views
Lab : Modify views
Lab : Modify forms
Lab : App designer
After completing this module, students will be able to:
Connect to data in Power Apps
Build a Power Apps model-driven app
Design an application user experience
Module 4: Make canvas apps with Power Apps
In this module, students will learn the business value of Power Apps canvas apps. They will then learn to how to configure and design them, including user experience considerations.
Lessons
Power Apps studio
Canvas apps capabilities
User experience
Lab : Build a canvas app
Lab : Work with data and services
Lab : User experience
After completing this module, students will be able to:
Build a Power Apps canvas app
Configure user experience in a canvas app
Understand the building blocks of a canvas app
Module 5: Make portals with Power Apps
In this module, students will learn the business value of Power Apps portals. They will then learn to how to access Dataverse data in a portal and how portal authentication works.
Lessons
Power Apps portals architecture
Access Microsoft Dataverse in your portal
Authentication and user management
After completing this module, students will be able to:
Understand how to use Dataverse data in a portal
Recognize types of Power Apps portals for different audiences
Register users for portal access
Module 6: Introduction to automation
In this module, students will learn about business rules and when they can be used. Students will also get an overview of Power Automate.
Lessons
Business rules
Power Automate overview
Lab : Configure a new business rule
Lab : Create security roles
Lab : Create users
Lab : Advanced business rules
After completing this module, students will be able to:
Create users and grant security roles
Create and configure security roles
Create and configure advanced business rules
Module 7: Build Power Automate cloud flows
In this module, students will learn the fundamentals of cloud flows, including triggers and flows. They will create two flows, including an approval flow.
Lessons

Fundamentals of cloud flows
Triggers
Actions
Lab : Create a flow
Lab : Build an approval flow
After completing this module, students will be able to:
Create cloud flows
Understand the fundamentals of cloud flows
Use triggers and actions
Module 8: Build Power Automate desktop flows
In this module, students will learn what desktop flows are and how they are created. Students will also learn how desktop flows are used and how to use process advisor to better understand places to streamline workflows.
Lessons
Build desktop flows
Use desktop flows
Process advisor
After completing this module, students will be able to:
Understand the value of desktop flows
Identify when to use desktop flows and how process advisor can help
Module 9: Build business process flows
In this module, students will learn the value of business process flows and how to use the business process flow designer. They will also practice building business process flows and learn how they can be automated.
Lessons
Why use business process flows
Using business process flow designer
Automating your business process flow
Lab : Build a branching business process flow
Lab : Build a business process flow
After completing this module, students will be able to:
Create business process flows
Use the business process flow designer
Know how to add automation to a business process flow
Module 10: Build chatbots with Power Virtual Agents
In this module, students will learn how to automate customer interactions with a chatbot using Power Virtual Agents.
Lessons
Create a chatbot
Configure topics
Automate and integrate
Configure entities
Test and publish chatbots
Lab : Build a chatbot
After completing this module, students will be able to:
Create a chatbot
Include a flow in a chatbot
Create topics and entities
Module 11: Analyze data with Power Bi
In this module, students will learn how to work with Power BI Desktop and Power BI Service to analyze data and create visualizations.
Lessons
Use tabular reporting options in Dataverse
Use charts and dashboards in Dataverse
Get started with Power BI
Model data in Power BI
Create visualizations and dashboards
Publish and share in Power BI
After completing this module, students will be able to:
Create visualizations
Consume data in Power BI
Export data visualizations for stakeholders
Module 12: Putting it all together
In this module, students will learn how the concepts of this course pull together and how to use functional consultant skills on Microsoft Power Platform engagements. They will also learn how solutions are used in Microsoft Power Platform and will be introduced to AI Builder.
Lessons
Using solutions
AI Builder
Consultant skills
Lab : Build charts
Lab : Build dashboards

Lab : Build delete data
Lab : Build a Word template
Lab : Build an Excel template
Lab : Duplicate detection
Lab : Import data
Lab : Export data
After completing this module, students will be able to:
Understand how the concepts of this course work together
Manage solutions in Microsoft Power Platform
Use AI Builder to create and manage models
Apply functional consultant skills

Session Dates

On request. Please contact us

Additional Information

This training is also available as onsite training. Please contact us to find out more.