Microsoft Power Platform Functional Consultant

Durée: 4 Jours   Réf de cours: M-PL200

Résumé:

The 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 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. 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 the Common Data Service, AI Builder, connectors, and portals.

Public visé:

A Power Platform Functional Consultant is responsible for performing discovery, capturing requirements, engaging subject matter experts and stakeholders, translating requirements, and configuring Power Platform solutions and apps. The Functional Consultant implements components of a solution that include application enhancements, custom user experiences, system integrations, data conversions, custom process automation, and custom visualizations.

Objectifs pédagogiques:

- Work with an organization to gather requirements and implement 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

Pré-requis:

- Experience as an IT professional or student
- Working knowledge of the Power Platform and its key components
- A knowledge of the Common Data Service and security concepts

Contenu:

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.

- 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
- Understand tables, columns, rows, and relationships
- Configure a data model in Dataverse
- Work in an environment within the Microsoft Power Platform admin center
- Connect to data in Power Apps
- Build a Power Apps model-driven app
- Design an application user experience
- Build a Power Apps canvas app
- Configure user experience in a canvas app
- Understand the building blocks of a canvas app
- Understand how to use Dataverse data in a portal
- Recognize types of Power Apps portals for different audiences
- Register users for portal access
- Create users and grant security roles
- Create and configure security roles
- Create and configure advanced business rules
- Create cloud flows
- Understand the fundamentals of cloud flows
- Use triggers and actions
- Understand the value of desktop flows
- Identify when to use desktop flows and how process advisor can help
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- Create visualizations
- Consume data in Power BI
- Export data visualizations for stakeholders
- Understand how the concepts of this course work together
- Manage solutions in Microsoft Power Platform
- Use AI Builder to create and manage models

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.

- Power Apps portals architecture
- Access Microsoft Dataverse in your portal
- Authentication and user management

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- Identify when to use desktop flows and how process advisor can help

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.

- Work with tables
- Understand data types and behavior
- Configure security settings

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- Understand how to use Dataverse data in a portal
- Recognize types of Power Apps portals for different audiences
- Register users for portal access

models

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.

- Business rules
- Power Automate overview

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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.

- Create a chatbot
- Configure topics
- Automate and integrate
- Configure entities
- Test and publish chatbots

Lab : Build a chatbot

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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.

- Building blocks of model-driven apps
- Design model-driven apps
- Forms and views

Labs

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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.

- Fundamentals of cloud flows
- Triggers
- Actions

Labs

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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.

- 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

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- Identify when to use desktop flows and

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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.

- Power Apps studio
- Canvas apps capabilities
- User experience

- Lab : Build delete data
- Lab : Build a Word template
- Lab : Build an Excel template
- Lab : Duplicate detection
- Lab : Import data
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Module 8: Build Power Automate desktop flows

In this module, students will learn what desktop flows are and how they are created.

how process advisor can help
- Create business process flows
- Use the business process flow designer
- Know how to add automation to a business process flow
- Create a chatbot
- Include a flow in a chatbot
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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.\

- Using solutions
- AI Builder
- Consultant skills

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- Identify when to use desktop flows and how process advisor can help
- Create business process flows
- Use the business process flow designer

Students will also learn how desktop flows are used and how to use process advisor to better understand places to streamline workflows.

- Build desktop flows
- Use desktop flows
- Process advisor

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Module 9: Build business process flows

In this module, students will learn the value of business process flows and how to use the

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Apply functional consultant skills

- Know how to add automation to a business process flow
- Create a chatbot
- Include a flow in a chatbot
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business process flow designer. They will also practice building business process flows and learn how they can be automated.

- Why use business process flows
- Using business process flow designer
- Automating your business process flow

Autres moyens pédagogiques et de suivi:

• Compétence du formateur : Les experts qui animent la formation sont des spécialistes des matières abordées et ont au minimum cinq ans d'expérience d'animation. Nos équipes ont validé à la fois leurs connaissances techniques (certifications le cas échéant) ainsi que leur compétence pédagogique.
• Suivi d'exécution : Une feuille d'émargement par demi-journée de présence est signée par tous les participants et le formateur.
• Modalités d'évaluation : le participant est invité à s'auto-évaluer par rapport aux objectifs énoncés.
• Chaque participant, à l'issue de la formation, répond à un questionnaire de satisfaction qui est ensuite étudié par nos équipes pédagogiques en vue de maintenir et d'améliorer la qualité de nos prestations.

Délais d'inscription :

•Vous pouvez vous inscrire sur l'une de nos sessions planifiées en inter-entreprises jusqu'à 5 jours ouvrés avant le début de la formation sous réserve de disponibilité de places et de labs le cas échéant.
•Votre place sera confirmée à la réception d'un devis ou ""booking form"" signé. Vous recevrez ensuite la convocation et les modalités d'accès en présentiel ou distanciel.
•Attention, si vous utilisez votre Compte Personnel de Formation pour financer votre inscription, vous devrez respecter un délai minimum et non négociable fixé à 11 jours ouvrés.