

MICROSOFT OFFICIAL CURRICULUM

Microsoft

Power Platform Developer Associate

PL-400

As a candidate for this certification, you design, develop, test, and troubleshoot solution components using the extension points of Microsoft Power Platform.

Power Platform

Intermediate

Power Platform

DURATION

5 days

LEVEL

Intermediate

FORMAT

Virtual, On-site, or Hybrid

CERTIFICATION

Microsoft Certified: Power Platform Developer Associate

AUDIENCE PROFILE

Built for these roles

In this course you will learn to build solutions using Visual Studio and Visual Studio Code that include the following: Microsoft Power Platform services, JavaScript, JSON, TypeScript, C#, HTML, RESTful Web APIs, and Microsoft Azure. As a training attendee you must have previous software developer experience using code techniques with modern programming languages such as C# and JavaScript. You must also have a foundational understanding of Microsoft Power Platform and have hands-on experience with the following: - Developing a data model in Microsoft Dataverse - Creating tables, columns, and relationships in Microsoft Dataverse - Building Power Apps canvas apps - Building Power Apps model-driven apps - Building Power Automate cloud flows

OVERVIEW

Executive overview

The Microsoft Power Platform helps organizations optimize their operations by simplifying, automating and transforming business tasks and processes. In this course, students will learn how to design, develop, test, and troubleshoot solution components that use the extension points of Microsoft Power Platform. You use traditional code to solve challenges not appropriate with low-code.

PROGRAM OUTCOMES

Capabilities your teams will gain

- Create a technical design
- Build Power Platform solutions
- Implement Power Apps improvements
- Extend the user experience

TRAINING PROVIDER

VNode ITeS

MICROSOFT CERTIFIED TRAINER

vnodeites.com

[linkedin.com/company/vnodeites](https://www.linkedin.com/company/vnodeites)

TALK TO US

 info@vnodeites.com

 +91 9419 11 4792

 WhatsApp +91 9419 11 4792

 +91 7780 81 1685

OFFICE

DLF Cyber City, Gurugram

Haryana — India

Azure · AI · Data · Power Platform

ENTERPRISE CUSTOMIZATION

Enterprise customization

Tailor this program to your organization's priorities: Builds current Microsoft credential readiness for Power Platform Developer Associate using the official Microsoft Learn skill outline.

Customization options

- Align labs to your Microsoft tenant and workload scenarios
- Add readiness checks and exam preparation reviews
- Extend delivery with role-specific implementation workshops

CURRICULUM

Curriculum roadmap

1

MODULE 1

Use advance techniques in canvas apps to perform custom updates and optimization

Use advance techniques in canvas apps to perform custom updates and optimization

- Use imperative development techniques for canvas apps in Power Apps
- Perform custom updates in a Power Apps canvas app
- Use Dataverse choice columns with formulas
- Reduce complexity in your data model with Dataverse table relationships
- Work with relational data in a Power Apps canvas app
- Work with data source limits (delegation limits) in a Power Apps canvas app
- Complete testing and performance checks in a Power Apps canvas app
- Optimize app load time
- Use Monitor to troubleshoot Power Apps
- Use Power Apps Instrumentation with Application Insights

2





MODULE 2

Automate a business process with expressions and Dataverse actions using Power Automate

Automate a business process with expressions and Dataverse actions using Power Automate

- Get started with Power Automate
- Introduction to expressions in Power Automate
- Use Dataverse triggers and actions in Power Automate

TALK TO US

-  info@vnodeites.com
-  +91 9419 11 4792
-  WhatsApp +91 9419 11 4792
-  +91 7780 81 1685

OFFICE

DLF Cyber City, Gurugram
Haryana — India
Azure · AI · Data · Power Platform

3

MODULE 3

Introduction to developing with Microsoft Power Platform

This learning path is the first step in learning about the platform, tools, and the ecosystem of Power Platform.

- Introduction to Microsoft Power Platform developer resources
- Use developer tools to extend Power Platform
- Introduction to extending Power Platform

4

MODULE 4

Extend the user experience with client scripting and command bar customization

Extend the user experience with client scripting and command bar customization

- Perform common actions with client script in Power Platform
- Automate business process flows with client script
- Customize the command bar

5

MODULE 5

Build basic code components with the Power Apps Component Framework

Build basic code components with the Power Apps Component Framework

- Get started with Power Apps component framework
- Build a Power Apps component

6

MODULE 6

Extending Power Platform Dataverse

Get started with extending Power Platform Dataverse.

- Introduction to Dataverse for developers
- Extend plug-ins in Power Platform
- Work with Dataverse Web API

7

MODULE 7

Integrate with Dataverse and Azure

Integrate with Dataverse and Azure

- Integrate Dataverse Azure solutions
- Explore Azure Functions
- Develop Azure Functions

TALK TO US

OFFICE

8

MODULE 8

Get started with custom connectors for Microsoft Power Platform

Get started with custom connectors for Microsoft Power Platform

- Get started with custom connectors in Microsoft Power Platform
- Discover and use Web APIs with Power Apps
- Configure custom connectors with authenticated APIs in Microsoft Power Platform
- Configure policy templates for custom connectors in Microsoft Power Platform
- Create Microsoft Power Platform OpenAPI custom connectors

9

MODULE 9

Basic application lifecycle management in Microsoft Power Platform

Learn how to create and manage solutions, understand solution layering, and explore version control for solutions.

- Manage solutions in Power Apps and Power Automate
- Introduction to solutions for Microsoft Power Platform

PRIVATE DELIVERY

Plan a private cohort for your team





Scope delivery format, role mix, and rollout timeline with our solutions team.

Plan Private Delivery

Book advisory call

vnodeites.com

TALK TO US

-  info@vnodeites.com
-  +91 9419 11 4792
-  WhatsApp · +91 9419 11 4792
-  +91 7780 81 1685

OFFICE

DLF Cyber City, Gurugram
Haryana — India
Azure · AI · Data · Power Platform