AI-3016 Develop generative AI apps in Azure

Category: AI, Data & Analytics | **Vendor:** Microsoft

Duration: 1.00 hours (1 days) **0.8 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format:	Instructor Led - Online
Certification:	Microsoft Applied Skills: Develop generative AI apps in Azure
Related Exam:	AI-3016

Course Overview

Generative Artificial Intelligence (AI) is becoming more accessible through easy-to-use platforms like Azure AI Studio. Learn how to build generative AI applications like custom copilots that use language models and prompt flow to provide value to your users.

About This Course

Generative Artificial Intelligence (AI) is becoming more accessible through easy-to-use platforms like Azure AI Studio. Learn how to build generative AI applications like custom copilots that use language models and prompt flow to provide value to your users.

Prerequisites & Entry Requirements

General Prerequisites:

Before starting this module, you should be familiar with fundamental AI concepts and services in Azure.

Learning Outcomes

Upon successful completion of this course, participants will be able to:

AI-3016 Course ObjectivesUnderstand Azure AI capabilities and tools for developing AI-powered applications.Deploy, test, and optimize language models using the Azure AI Foundry portal.Create generative AI chat apps using the Azure AI Foundry SDK.Implement Retrieval Augmented Generation (RAG) using your own data and Azure AI Search.Fine-tune language models and ensure responsible AI practices in development.Evaluate generative AI app performance using benchmarks, manual checks, and AI-assisted metrics.Let me know if you'd like the metadata (meta title, description, OG tags, keywords) as well., AI-3016 Course ObjectivesUnderstand Azure AI capabilities and tools for developing AI-powered applications.Deploy, test, and optimize language models using the Azure AI Foundry portal.Create generative AI chat apps using the Azure AI Foundry SDK.Implement Retrieval Augmented Generation (RAG) using your own data and Azure AI Search.Fine-tune language models and ensure responsible AI practices in development.Evaluate generative AI app performance using benchmarks, manual checks, and AI-assisted metrics.Let me know if you'd like the metadata (meta title, description, OG tags, keywords) as well., AI-3016 Course ObjectivesUnderstand Azure AI capabilities and tools for developing AI-powered applications.Deploy, test, and optimize language models using the Azure AI Foundry portal.Create generative AI chat apps using the Azure AI Foundry SDK.Implement Retrieval Augmented Generation (RAG) using your own data and Azure AI Search.Fine-tune language models and ensure responsible AI practices in development.Evaluate generative AI app performance using benchmarks, manual checks, and AI-assisted metrics.Let me know if you'd like the metadata (meta title, description, OG tags, keywords) as well., AI-3016 Course ObjectivesUnderstand Azure AI capabilities and tools for developing AI-powered applications.Deploy, test, and optimize language models using the Azure AI Foundry portal.Create generative AI chat apps using the Azure AI Foundry SDK.Implement Retrieval Augmented Generation (RAG) using your own data and Azure AI Search.Fine-tune language models and ensure responsible AI practices in development.Evaluate generative AI app performance using benchmarks, manual checks, and AI-assisted metrics.Let me know if you'd like the metadata (meta title, description, OG tags, keywords) as well., AI-3016 Course ObjectivesUnderstand Azure AI capabilities and tools for developing AI-powered applications.Deploy, test, and optimize language models using the Azure AI Foundry portal.Create generative AI chat apps using the Azure AI Foundry SDK.Implement Retrieval Augmented Generation (RAG) using your own data and Azure AI Search.Fine-tune language models and ensure responsible AI practices in development.Evaluate generative AI app performance using benchmarks, manual checks, and AI-assisted metrics.Let me know if you'd like the metadata (meta title, description, OG tags, keywords) as well., AI-3016 Course ObjectivesUnderstand Azure AI capabilities and tools for developing AI-powered applications.Deploy, test, and optimize language models using the Azure AI Foundry portal.Create generative AI chat apps using the Azure AI Foundry SDK.Implement Retrieval Augmented Generation (RAG) using your own data and Azure AI Search.Fine-tune language models and ensure responsible AI practices in development.Evaluate generative AI app performance using benchmarks, manual checks, and AI-assisted metrics.Let me know if you'd like the metadata (meta title, description, OG tags, keywords) as well., AI-3016 Course ObjectivesUnderstand Azure AI

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Detailed Course Outline

1 - Plan and prepare to develop AI solutions on Azure

- What is AI?
- Foundry Tools
- Microsoft Foundry
- Developer tools and SDKs
- Responsible AI
- Module assessment

2 - Choose and deploy models from the model catalog in Microsoft Foundry portal

- Explore the model catalog
- Deploy a model to an endpoint
- Optimize model performance
- Module assessment

3 - Develop an AI app with the Microsoft Foundry SDK

- What is the Microsoft Foundry SDK?
- Work with project connections
- Create a chat client
- Module assessment

4 - Get started with prompt flow to develop language model apps in the Microsoft Foundry

- Understand the development lifecycle of a large language model (LLM) app
- Understand core components and explore flow types
- Explore connections and runtimes
- Explore variants and monitoring options
- Module assessment

5 - Develop a RAG-based solution with your own data using Microsoft Foundry

- Understand how to ground your language model
- Make your data searchable
- Create a RAG-based client application
- Implement RAG in a prompt flow
- Module assessment

6 - Fine-tune a language model with Microsoft Foundry

- Understand when to fine-tune a language model
- Prepare your data to fine-tune a chat completion model
- Explore fine-tuning language models in Microsoft Foundry portal
- Module assessment

7 - Implement a responsible generative AI solution in Microsoft Foundry

- Plan a responsible generative AI solution
- Map potential harms
- Measure potential harms
- Mitigate potential harms
- Manage a responsible generative AI solution
- Module assessment

8 - Evaluate generative AI performance in Microsoft Foundry portal

- Assess the model performance
- Manually evaluate the performance of a model
- Automated evaluations
- Module assessment

, Introduction to Azure AI Studio, Get started with prompt flow to develop language model apps in the Azure AI Studio, Build a RAG-based copilot solution with your own data using Azure AI Studio, Responsible generative AI in AI Studio, Introduction to Azure AI Foundry, Explore and deploy models from the model catalog in Azure AI Foundry portal, Get started with prompt flow to develop language model apps in the Azure AI Foundry, Build a RAG-based agent with your own data using Azure AI Foundry, Fine-tune a language model with Azure AI Foundry, Evaluate the performance of generative AI apps with Azure AI Foundry, Responsible generative AI, Plan and prepare to develop AI solutions on Azure, Choose and deploy models from the model catalog in Azure AI Foundry portal, Develop an AI

app with the Azure AI Foundry SDK, Develop a RAG-based solution with your own data using Azure AI Foundry, Implement a responsible generative AI solution in Azure AI Foundry, Evaluate generative AI performance in Azure AI Foundry portal

Certification Path

Microsoft Applied Skills: Develop generative AI apps in Azure

Exam: AI-3016

Upcoming Schedule

Available training dates for AI-3016 Develop generative AI apps in Azure:

Start Date	End Date	Location	Delivery	Price
21 Dec 2026	21 Dec 2026	Online	Virtual	€695.00

Frequently Asked Questions

Q: What delivery options are available for AI-3016 Develop generative AI apps in Azure?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: What certification does this course prepare me for?

The AI-3016 Develop generative AI apps in Azure course helps prepare you for the Microsoft Applied Skills: Develop generative AI apps in Azure certification path.

Q: Which exam does this course prepare me for?

This course prepares you for the AI-3016 official exam. You can take this exam at any exam center across United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online wherever you are located.

Q: How many CPD hours does this course provide?

The 1-day AI-3016 Develop generative AI apps in Azure course provides up to 0.8 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the AI-3016 Develop generative AI apps in Azure training?

The training takes place over 1 day(s), with each day lasting approximately 1.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for AI-3016 Develop generative AI apps in Azure?

Yes, we provide corporate training, dedicated training, and closed classes for AI-3016 Develop generative AI apps in Azure. Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: What related terms do people search for?

Popular related searches include: AI-3016: Develop generative AI apps in Azure, Microsoft, vILT, AI-3016

Q: Why choose Nexus Human for AI-3016 Develop generative AI apps in Azure?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your AI-3016 Develop generative AI apps in Azure training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

Nexus Human

Professional Training & Development

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