AI+ Prompt Engineer: Level 1

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

Duration: 8.00 hours (1 days) **6.5 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format:	Instructor Led - Online
Certification:	AI+ Prompt Engineer: Level 1
Related Exam:	AI+ Prompt Engineer: Level 1

Course Overview

Master the art of crafting effective prompts with our AI+ Prompt Engineer: Level 1 Training. This 1-day certification course is designed to teach you advanced strategies to optimize model outputs and develop innovative AI solutions. Get hands-on learning that sharpens your skills in generating and refining prompts that guide AI models to produce desired outcomes effectively. From the fundamentals of prompt engineering, including best practices for prompt design, to more sophisticated methods like zero-shot and few-shot prompting, this course covers a wide range of topics. Understand the ethical considerations in prompt engineering, ensuring that the AI solutions you develop are aligned with ethical standards. With their extensive technical knowledge and practical teaching experience, our top-notch trainers will provide you with guidance through projects that simulate situations from the real world. By the end of this course, you will have the skills to handle complex prompt engineering tasks and the confidence to lead AI initiatives within your organization.

About This Course

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Who Should Attend

AI Engineer

Learning Outcomes

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

Course Objectives

- Understand the Fundamentals and History of AI
- Master the Art of Prompt Engineering
- Explore AI Tools and Models
- Apply Prompt Engineering Techniques
- Utilize Image Model Techniques
- Engage in Project-Based Learning
- Navigate Ethical Considerations in AI
- Prepare for the Future of AI

Detailed Course Outline

- Foundations of Artificial Intelligence (AI) and Prompt Engineering

  Introduction to Artificial Intelligence History of AI Machine Learning Basics Deep Learning and Neural Networks Natural Language Processing (NLP) Prompt Engineering Fundamentals

- Principles of Effective Prompting

  Introduction to the Principles of Effective Prompting Giving Directions Formatting Responses Providing Examples Evaluating Response Quality Dividing Labor Applying The Five Principles Fixing Failing Prompts

- Introduction to AI Tools and Models

  Understanding AI Tools and Models Deep Dive into ChatGPT Exploring GPT-4 Revolutionizing Art with DALL-E 2 Introduction to Emerging Tools using GPT Specialized AI Models Advanced AI Models Google AI Innovations Comparative Analysis of AI Tools Practical Application Scenarios Harnessing AI®s Potential

- Prompt Engineering Techniques

Zero-Shot Prompting

Few-Shot Prompting

Chain-of-Thought Prompting

Ensuring Self-Consistency in AI Responses

Generate Knowledge Prompting

Prompt Chaining

Tree of Thoughts: Exploring Multiple Solutions

Retrieval Augmented Generation

Graph Prompting and Advanced Data Interpretation

Application in Practice: Real-Life Scenarios

Practical Exercises

- Mastering Image Model Techniques

Introduction to Image Models Understanding Image Generation Style Modifiers and Quality Boosters in Image Generation Advanced Prompt Engineering in AI Image Generation Prompt Rewriting for Image Models Image Modification Techniques: Inpainting and Outpainting Realistic Image Generation Realistic Models and Consistent Characters Practical Application of Image Model Techniques

- Project-Based Learning Session

Introduction to Project-Based Learning in AI Selecting a Project Theme Project Planning and Design in AI AI Implementation and Prompt Engineering Integrating Text and Image Models Evaluation and Integration in AI Projects Engaging and Effective Project Presentation Guided Project Example

- Ethical Considerations and Future of AI

Introduction to AI Ethics Bias and Fairness in AI Models Privacy and Data Security in AI The Imperative for Transparency in AI Operations Sustainable AI Development: An Imperative for the Future Ethical Scenario Analysis in AI: Navigating the Complex Landscape Navigating the Complex Landscape of AI Regulations and Governance Navigating the Regulatory Landscape: A Guide for AI Practitioners Ethical Frameworks and Guidelines in AI Development

- Conclusion and Recapitulation

Principles of Effective Prompting Revisited Major AI Tools and Models Principles of Effective Prompting Across AI Scenarios Ethical Considerations Recap

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- Prompt Engineering Techniques

  Zero-Shot Prompting Few-Shot Prompting Chain-of-Thought Prompting Ensuring Self-Consistency in AI Responses Generate Knowledge Prompting Prompt Chaining Tree of Thoughts: Exploring Multiple Solutions Retrieval Augmented Generation Graph Prompting and Advanced Data Interpretation Application in Practice: Real-Life Scenarios Practical Exercises

- Mastering Image Model Techniques

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□□ Certification Path

AI+ Prompt Engineer: Level 1

Exam: AI+ Prompt Engineer: Level 1

Additional Course Details

Nexus Humans AI+ Prompt Engineer: Level 1 training program is a workshop that presents an invigorating mix of sessions, lessons, and masterclasses meticulously crafted to propel your learning expedition forward.

This immersive bootcamp-style experience boasts interactive lectures, hands-on labs, and collaborative hackathons, all strategically designed to fortify fundamental concepts.

Guided by seasoned coaches, each session offers priceless insights and practical skills crucial for honing your expertise. Whether you're stepping into the realm of professional skills or a seasoned professional, this comprehensive course ensures you're equipped with the knowledge and prowess necessary for success.

While we feel this is the best course for the AI+ Prompt Engineer: Level 1 course and one of our Top 10 we encourage you to read the course outline to make sure it is the right content for you.

Additionally, private sessions, closed classes or dedicated events are available both live online and at our training centres in Dublin and London, as well as at your offices anywhere in the UK, Ireland or across EMEA.

Frequently Asked Questions

Q: What delivery options are available for AI+ Prompt Engineer: Level 1?

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+ Prompt Engineer: Level 1 course helps prepare you for the AI+ Prompt Engineer: Level 1 certification path.

Q: Which exam does this course prepare me for?

This course prepares you for the AI+ Prompt Engineer: Level 1 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+ Prompt Engineer: Level 1 course provides up to 6.5 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the AI+ Prompt Engineer: Level 1 training?

The training takes place over 1 day(s), with each day lasting approximately 8.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for AI+ Prompt Engineer: Level 1?

Yes, we provide corporate training, dedicated training, and closed classes for AI+ Prompt Engineer: Level 1. 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: Why choose Nexus Human for AI+ Prompt Engineer: Level 1?

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+ Prompt Engineer: Level 1 training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

Nexus Human

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