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Generative AI & AI Tools

Course No. 522

Generative AI is transforming how individuals and organizations innovate, create, and optimize their workflows. This comprehensive course introduces participants to cutting-edge generative AI technologies and AI-powered tools that are reshaping industries. This course will equip participants with the knowledge and skills to harness AI for enhanced productivity, creativity, and problem-solving.

Course Benefits

This course provides participants with practical expertise in leveraging generative AI for:

- Streamlined content creation across text, visuals, and code
- Automation of repetitive tasks to boost efficiency
- Creative problem-solving and innovation
- Integration of AI tools into professional workflows

Prerequisites

No prior experience is required, making this course accessible to both beginners and seasoned professionals.

Duration

Three Days (21 hours)

Learning Objectives

At the end of this course, participants will be able to:

1. Explain the core principles of artificial intelligence, machine learning, and generative AI technologies
2. Master Prompt Engineering techniques to optimize AI outputs
3. Apply generative AI platforms (ChatGPT, Claude, Midjourney, GitHub Copilot) for real-world tasks
4. Develop generative AI solutions for content creation, automation, and problem-solving
5. Evaluate ethical considerations, biases, and limitations in AI-generated outputs
6. Seamlessly integrate generative AI tools into existing workflows to enhance productivity and creativity
7. Assess the quality, accuracy, and relevance of AI-generated content
8. Anticipate future trends and advancements in the generative AI landscape

Topics Covered:

- Foundations of Artificial Intelligence and Generative AI: understanding the building blocks of AI and its generative capabilities.
- Large Language Models (LLMs) and Text Generation: Exploring text-based AI applications and their practical uses.



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- Visual Content Generation: Creating high-quality visuals using AI tools.
- Code Generation and Programming Assistance: Leveraging AI for software development and debugging.
- Multimodal AI and Specialized Applications: Combining text, visuals, and other data for advanced use cases.
- Ethics, Limitations, and Best Practices of AI: Navigating the responsible use of AI and addressing potential challenges.

Who Should Attend?

This course is ideal for business professionals, content creators, marketers, and designers, IT professionals and developers, or students and lifelong learners.

Instructor

The instructor is an AI expert with over a decade of experience across multiple industries, ensuring practical insights and real-world applications.

For More Information:

Contact Training administrator: Training@qpsinc.com , Telephone: (508) 786-0777