

# Gen AI for All

**Duration: 4.5 Hours**

**Course Description:**

The "Generative AI for All" course offers a unique perspective on empowering individuals and their work with generative AI. Throughout the course, participants will gain a solid understanding of how generative AI functions and its capabilities and limitations. The practical nature of the course is enhanced by hands-on exercises, allowing learners to apply generative AI to their day-to-day tasks. Additionally, the course emphasizes effective prompt engineering and explores more advanced uses of AI beyond simple prompting. This course stands out by delving into real-world applications of generative AI, highlighting common use cases, and providing opportunities for participants to engage with generative AI tools. By gaining practical experience, learners will be able to translate their knowledge into action. Moreover, the course places great emphasis on the impact of AI on both business and society, fostering a comprehensive understanding of the ethical and societal implications of this technology.

**Target Audience:**

The "Generative AI for All" course caters to individuals with diverse backgrounds and interests, providing a comprehensive exploration of the uses, impacts, and underlying technologies of generative AI. Significantly, this course requires no coding skills or prior experience in generative AI, making it accessible to anyone who wishes to acquire knowledge in this field. For business leaders, this course offers valuable insights into how generative AI can impact their organizations and provides strategies for increasing productivity. By understanding the potential of Gen AI, business leaders can develop effective strategies to leverage this technology to their advantage. Professionals aiming to incorporate AI into their daily work will also benefit from this course, as it provides an overview of AI tools and techniques that can be directly applied in the workplace. With this knowledge, professionals can utilize AI to enhance their workflows and improve efficiency.

Lastly, the "Generative AI for All" course is suitable for anyone interested in the transformative power of AI, as it illuminates the far-reaching impact it will have on society. By embracing AI as a transformative technology, individuals can prepare themselves for the inevitable integration of AI into various aspects of everyday life. Overall, the course caters to a wide range of individuals, regardless of their background or prior knowledge of generative AI, making it an inclusive and accessible learning opportunity for all.

**Prerequisites:**

Anyone can attend the course.

**Course Objectives:**

The program aims to ensure that anyone can actively participate in our AI-powered future. It provides a valuable opportunity for individuals from various backgrounds and levels of expertise to learn about and effectively utilize generative AI. By equipping learners with the necessary knowledge and skills, this course enables them to harness the potential of generative AI and contribute to its advancement in a collaborative and inclusive manner.

**Course Outlines:**

**What is Generative AI**

- > What is Artificial Intelligence
- > Brief History and Types of AI
- > Generative AI Vs Non-Generative AI
- > How Gen AI works
- > Applications of Gen AI
- > Gen AI models
- > Types of Gen AI

**Gen AI Algorithms**

- > LLM in the Market
- > General Purpose Technology
- > LLM Categories
- > Prompts
- > Translation
- > Build custom chatbot.
- > LLM Challenges
- > Prompting tips
- > Image Generation

**Life Cycle of Gen AI Projects**

- > Gen AI in Software applications
- > Gen AI in low code no code
- > Gen AI project cost

**Gen AI – Advanced Techniques**

- > Retrieval Augmented Reality
- > Reinforcement Learning and Human Feedback
- > Customize and Improve LLM's Performance
- > Beyond Prompting

**Generative AI for Enterprises**

- > What is Enterprise AI
- > Regular AI Vs Enterprise AI
- > Introduction to Gen AI for enterprise
- > Benefits of Gen AI in business
- > Challenges in Adopting Generative AI

**Generative AI in Business**

- > Web UI LLMs
- > Workflows and New Opportunities
- > Teams to build Gen AI projects

**How Gen AI will transform Industries**

- > Healthcare
- > Entertainment
- > Finance
- > Architecture and Design
- > Agriculture and Food Production
- > Journalism and Media
- > Hiring and Recruiting
- > Fashion and Retail
- > Sales
- > Personal Sports Coaching

**Overview of Tools for AI Development**

- > The AI programmers Language – Python
- > Flexible Numerical Computation - TensorFlow
- > Dynamic Neural Networks – Pytorch
- > Interactive Programming Environment – Jupyter Notebook

**Generative AI: Community & Future Forward**

- > Concerns about AI
- > Responsible AI
- > Ethical Considerations of Gen AI
- > Artificial General Intelligence

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training@trends.com.ph  
 (+632) 8863-2123  
 www.trendscademy.com.ph