

Generative AI Expert Certification (GAIEC)

OEM: Global Skill Development Council • Duration: 5 Days (40 hrs) • Code: GSDC-GAIEC

COURSE MODULES & TOPICS

1 Generative AI and Prompt Engineering +

- Exploring Generative AI and Its Relevance to Business
- Understanding the Fundamentals of Prompt Engineering
- The Impact of Large Language Models (LLMs) on AI Development

2 Maximizing the Potential of Prompt Engineering +

- Strategies for Effectively Utilizing Prompt Engineering
- The Vital Role of Prompt Engineering in AI Innovation
- Designing and Crafting Questions to Enhance Generative AI
- Understanding Effective Use of Hiring Tools & Aids
- Applications of Generative AI
- Introduction to Large Language Models (LLMs)
- Benefits and Examples of LLMs
- LLM Development and Tuning
- Generative AI Tools: Studio, Maker Suite, and PaLM API
- Mastering Prompt Engineering Techniques
- Exploring Popular LLMs: Google Bard/Gemini, Meta LLaMA, and More
- Understanding Tokens, Probabilities, and AI Behavior
- Writing Effective Prompts: Instructions, Delimiters, and Length Control
- Advanced Prompt Strategies: Role Playing, Meta Prompting, and Chain of Thought Reasoning
- Coding and Hands-On Applications in Prompt Engineering Using AI for Content Summarization, Retrieval, and SEO

3 Identifying Practical Use Cases for Various Business Functions +

- Finance: Automate Financial Reports and Detect Fraud with AI
- Human Resources: Streamline Recruitment and Enhance Employee Engagement Using AI
- Information Technology: Enhance IT Support and Cybersecurity with AI Solutions
- Sales: Improve Lead Generation and Personalize Customer Engagement Using AI Chatbots
- Marketing: Personalize Content Creation and Optimize Campaigns with AI-Driven Insights

4 Image & Visual Generation with Generative AI +

- AI in Branding and Content Creation
- The Role of Generative AI in Social Media and Automated Content
- Hands-On Demos: AI-Driven Image Creation
- Business Integration and Implementation of Generative AI
- Techniques for Image Creation and Enhancement
- Using AI for Design: Logos, Illustrations, and Branding
- Exploring AI Tools: MidJourney, DALL-E, and Stable Diffusion
- Advanced Visual Techniques: Inpainting, Outpainting, and Style Modifiers
- Hands-On Demos: Visual Prompt Optimization and Quality Control

5 Generative AI Applications in Business +

- Impact of AI Across Different Industries
- Implementing AI Chatbots in Business
- Custom Business Solutions Using Generative AI
- Tools and Strategies for AI-Driven Business Innovation
- Preparing for the Future of Work with AI

6 Risks and Security in Generative AI +

- Understanding Risks in Generative AI
- Data Privacy, Breaches, and Leakage in AI Systems
- Threats from Evolving AI Threat Actors
- Injection Attacks and Sandboxing in AI
- Hands-On Demos: AI Security Measures
- Mitigating AI Hallucinations and System Vulnerabilities
- Securing AI: Best Practices and Governance

7 Use Cases with Generative AI Tools & Hands-on Demos +

- Learn to Create AI-Enhanced PowerPoint Presentations, Images, and Chart Analysis for Business Purposes
- Leverage AI for Automated Data Insights, Simplifying the Journey from Data Collection to Impactful Business Strategies
- Harness the Power of AI for Document Summarization, Distilling Vast Information into Concise Summaries Effortlessly
- Build AI-Powered Personalized Recommendation Systems with Your Data on PDF/Word Documents Using AI Assistants
- AI in Branding and Content Creation
- The Role of Generative AI in Social Media and Automated Content
- Hands-On Demos: AI-Driven Image Creation
- Business Integration and Implementation of Generative AI
- Techniques for Image Creation and Enhancement
- Using AI for Design: Logos, Illustrations, and Branding
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- Hands-On Demos: Visual Prompt Optimization and Quality Control

8 Personalized 1-1 & Daily Group Live session +

- Personalized 1-on-1 Trainer/SME Connect Session - Receive a 1-on-1 connect session from Trainer/SME to resolve all types of queries.
- Daily Live Session with Lifelong Learning - Participate in a daily live session with industry experts where professionals from around the world connect with SMEs and have a brainstorming session.

9 Agentic AI: Redefining What Comes After Generative AI +

- Agentic AI: What You Need to Know
- How Agentic AI Compares to Generative AI
- Exploring the Functionality of Agentic AI
- Architecting Multi-Agent Systems