

BCS Foundation Award in Generative AI Course

Course Duration : 40 Hours

Course code : BCS-GENAI-101

1. Course Overview

The BCS Foundation Award in Generative AI Course is designed to introduce learners to the rapidly evolving field of generative artificial intelligence. This course provides a foundational understanding of how generative AI models work and how they are transforming industries through automation, creativity, and intelligent content generation.

2. What you'll learn?

- Fundamentals of generative AI and machine learning
- Understanding large language models (LLMs)
- Applications of generative AI in different industries
- Basics of text, image, and code generation
- Ethical considerations and responsible AI usage
- Preparation for BCS Foundation certification exam

3. Target Audience

- Beginners interested in AI and emerging technologies
- Business professionals and managers
- Marketing and content creation professionals
- IT professionals and developers
- Students and fresh graduates

4. Pre-Requisites

- Basic understanding of computers and technology
- Interest in artificial intelligence and innovation
- No prior coding experience required

5. Course Content (Modules)

Module 1: Introduction to Generative AI

- Overview of AI and generative AI
- Evolution and applications
- Key concepts and terminology

Module 2: Foundations of Machine Learning

- Basics of machine learning
- Neural networks and deep learning
- Introduction to large language models

Module 3: Generative AI Applications

- Text generation (chatbots, content creation)
- Image and media generation
- Code generation tools

Module 4: Ethics & Responsible AI

- Bias and fairness in AI
- Data privacy and security
- Responsible AI practices

Module 5: Case Studies & Exam Preparation

- Real-world use cases
- Best practices
- BCS Foundation exam preparation