



GENERATIVE AI FOUNDATIONS COURSE

The Generative AI Foundations Course offers a comprehensive introduction to generative AI, focusing on its applications in education and administration. Participants will explore key AI models, learning how to create AI-generated content while gaining hands-on experience with tools such as ChatGPT. The course also addresses critical issues around security, privacy, and ethics in AI usage, providing strategies for implementing AI responsibly in academic environments. Through practical labs, learners will develop skills in AI prompt engineering and understand how AI can be used safely and productively in college settings.

Course Modules

Module 1: Introduction to Generative AI (Gen AI)

Overview: This module offers an in-depth introduction to generative AI, focusing on how this technology can create content such as text, images, and more. Participants will explore various generative AI models like GPT (Generative Pre-trained Transformer) and their applications in education, research, and creative projects.

Key Takeaways:

- Understanding the fundamentals of generative AI.
- Exploring different generative AI models and their use cases.
- Learning the potential and limitations of generative AI in small college environments.

Module 2: Security, Privacy, and Ethical AI

Overview: Building on the understanding of generative AI, this module addresses the critical aspects of security, privacy, and ethics in AI. Participants will learn best practices for safeguarding data and ensuring ethical AI usage within their institutions. Sample policy guidelines will be reviewed.

Key Takeaways:

- Overview of security measures for generative AI tools.
- Understanding privacy concerns related to AI-generated content.
- Strategies for ethical AI implementation in academia.

Module 3: AI Applications

Overview: This module provides hands-on experience with AI applications, including generative AI tools like ChatGPT. Participants will engage in labs where they can practice creating prompts, generating content, and exploring other practical AI applications relevant to small colleges.

Key Takeaways:

- Practical skills in using generative AI tools.
- Insights into AI applications in education and administration.
- Techniques for effective AI prompt engineering.

