Prompt Engineering with ChatGPT

Course Duration: 08 hours (1 day)

Course Audience: Business

Important Note:

- For Module 04 & Module 05 only demos can be performed by the trainer. If student wants to explore, OpenAI API Key is a must under a free/paid working subscription: https://platform.openai.com/account/api-keys
- Unofficial courseware along with lab files/exercises will be provide

Course Outcomes:

1. Understand ChatGPT capabilities in various tasks
2. Learn text prompting techniques for enhanced results
3. Apply effective prompting techniques for different tasks
4. Explore different OpenAI applications
5. Learn image prompting techniques for enhanced results
6. Understand prompt reliability and privacy concerns

Chapter 01: Introduction to Prompting

1.1 Understanding Prompts
1.2 Importance of Prompt Structure
1.3 Prompting Styles and Their Usage
1.4 Overview of OpenAI Models
1.5 Deep Dive into ChatGPT
1.6 Understanding the Capabilities of ChatGPT

Chapter 02: The Art of Text Prompting

2.1 Understanding Text Prompting
2.2 Iterative Techniques for Text Prompting
2.3 Using Summarization Techniques
2.4 Inference Techniques in Text Prompting
2.5 Transformation Techniques for Text
2.6 Practical Applications of Text Prompting Techniques

Chapter 03: Applications of ChatGPT

3.1 Using ChatGPT in Daily Tasks

3.2 Technical Applications of ChatGPT
3.3 Creative Uses of ChatGPT
3.4 Case Studies and Examples

Chapter 04: Tour of OpenAI Applications

4.1 Understanding and Applying Fine-tuning in ChatGPT
4.2 Creating Images with DALL·E 2
4.3 From Natural Language to Animation with Codex
4.4 Exploring Other OpenAI Applications

Chapter 05: Image Prompting

5.1 Basics of Image Prompting
5.2 Advanced Techniques for Enhancing Image Generation
5.3 Use Cases and Examples in Image-based Applications
5.4 Practical Applications of Image Prompting

Chapter 06: Prompt Reliability

6.1 Understanding the Importance of Prompt Reliability
6.2 Techniques for Promoting Debiasing in AI Responses
6.3 Ensuring Ethical Practices in AI Responses
6.4 Addressing Transparency in AI
6.5 Privacy Concerns in AI Deployment