

Module	Outcome	Hour(s)
<b>Introduction to AI Prompt Engineering</b>	Learners will be able to define AI prompt engineering, explain the key roles and responsibilities of an AI Prompt Engineer, and apply ethical principles to AI prompt workflows, demonstrating knowledge of foundational concepts and the pillars of effective prompting.	<b>12 Hours</b> <b>Sync Hours: 12</b> <b>Async Hours: 0</b>
<b>Natural Language Processing Techniques</b>	Learners will be able to apply natural language processing (NLP) techniques, including tokenization, named entity recognition, and sentiment analysis, to enhance AI prompt generation. They will utilize pre-trained models and explore advanced NLP workflows such as LangChain to create contextually meaningful AI-driven responses	<b>27 Hours</b> <b>Sync Hours: 27</b> <b>Async Hours: 0</b>
<b>AI Prompt Generation Strategies</b>	Learners will be able to formulate and refine AI prompts using localized data sets, fine-tune language models, and evaluate generated prompts for quality and fairness.	<b>21 Hours</b> <b>Sync Hours: 21</b> <b>Async Hours: 0</b>
<b>Ethics, Security, and Compliance</b>	Learners will be able to analyze and address ethical and security challenges in AI prompt engineering, including the risks of misinformation and AI misuse.	<b>6 Hours</b> <b>Sync Hours: 6</b> <b>Async Hours: 0</b>
<b>LLMs and AI Tools</b>	Learners will be able to leverage large language models (LLMs) to generate creative and tailored AI prompts, fine-tuning models to address specific use cases while mitigating bias.	<b>9 Hours</b> <b>Sync Hours: 9</b> <b>Async Hours: 0</b>
<b>Final Project: Collaborative AI Prompt Engineering</b>	Learners will be able to develop and deploy a sales assistant agent prototype using large language models (LLMs) like GPT, demonstrating coding skills, strategic analysis of prospective accounts, and an understanding of AI tools.	<b>9 Hours</b> <b>Sync Hours: 9</b> <b>Async Hours: 0</b>
Total		84 Hours