



L&T
EduTech

PROMPT ENGINEERING

WITH **ChatGPT**

2 DAYS BOOTCAMP

Master the art of crafting
instructions for AI models



www.Intedutech.com



Prompt Engineering: The Art of Talking to AI



Background

With the ongoing AI revolution, prompt engineering has become a must-have skill for anyone looking to train AI models to generate high quality content. Professional prompt engineers use carefully crafted prompts with precise vocabulary. This course will teach you how to optimize the use of AI models, such as ChatGPT. Learn how to design and refine input to tune such AI models to get specific results. From simple tasks, such as using prompts to replace all names in a text or to writing a screenplay with your favorite movie characters to complex tasks such as tuning GPT-3 to power a chatbot or to handle enterprise data analysis, you can unlock the potential of AI to transform the way you work. Boot Camp for Prompt Engineering with ChatGPT is the perfect course for students, professionals and anyone interested in generative AI.

Course Overview

The course provides a comprehensive overview of the fundamentals of AI and prompting, as well as specialized learning modules for advanced prompt engineering techniques to take your content strategy to the next level, no matter what your skill level or experience is. It covers the basics of natural language processing and machine learning, as well as practical applications. You will learn how to create high-quality text that is tailored to specific audiences and objectives using cutting-edge AI technology.

Course Objective

Learn how to write effective prompts, how to communicate with AI models and how to train models to generate high-quality content.

Course Outcome



Increase Productivity



Improve Critical Thinking



Improve Communication Skills



Develop R&D Skills



Learn the Fundamentals of AI and NLP



Learn Best Practices and Tips



Understand Prompt Evaluation



Personalize Your ChatGPT Experience



Program Details

02

Day
Program

09

Real-World
Case Studies

16

Hour
Engagement

10

Hands-On
Exercises

COURSE MODULES

- 01 Introduction to AI and NLP
- 02 Introduction to ChatGPT
- 03 Fundamentals of Prompt Engineering
- 04 Prompt Engineering Implementation
- 05 Applications of Prompt Engineering
- 06 Real-World Case Studies

SAMPLE USE CASES

Digital Marketing

Generate effective ad copies that resonate with target audience

Content Creation

Generate attractive content for websites, blogs or social media channels

Customer Service

Create personalized follow-up emails and FAQs

E-commerce

Generate product descriptions and reviews that drive sales and conversions

Legal

Generate legal documents and contracts with ease and accuracy

Education

Create preparation sheets for exams, use AI as a personal tutor

Healthcare

Arrange medical recordkeeping for patients

Finance

Analyze financial statements

HR

Generate job descriptions and performance evaluations

Creative Writing

Generate high-quality screenplays and narratives for creative projects



PROGRAM SCHEDULE

Agenda **Day 1**

Introduction to AI and NLP

4 Hours

- Artificial Intelligence and Its types
- Deep Learning (DL)
- Neural Network | A Historical Perspective
- Natural Language Processing (NLP)
- Applications of NLP
- Natural Language Understanding (NLU)
- Sentiment Analysis and Classification
- Architecture of Sentiment Analysis | ML and DL
- Probability in Language Modeling and NLP
- Perplexity
- Burstiness

Introduction to ChatGPT

2 Hours

- Understanding GPT Models
- Understanding How ChatGPT Works
- Features and Limitations of ChatGPT
- Real-World Applications of ChatGPT
- ChatGPT vs Other AI Language Models
- Job Role: AI Whisperer/Prompt Engineer

Prompt Engineering

2 Hours

- Understanding Prompt Engineering
- Fundamentals of Prompt Engineering
- Ethical Considerations in Prompt Engineering

Agenda **Day 2**

Prompt Engineering Implementation

2 Hours

- Advanced Techniques of Prompt Engineering
- CoT Prompting
- Prompting Through Knowledge Augmented Questioning
- Steps and Best practices
- Evaluating Prompt Effectiveness
- Implementing Prompt Engineering

Applications of Prompt Engineering

3 Hours

- Applications and Use Cases of ChatGPT
- ChatGPT for Text Generation
- ChatGPT for Text Summarization
- ChatGPT for Question Answering

Prompt Engineering | Case Studies

3 Hours

- Case Studies | Level 1
- Case Studies | Level 2
- Case Studies | Level 3