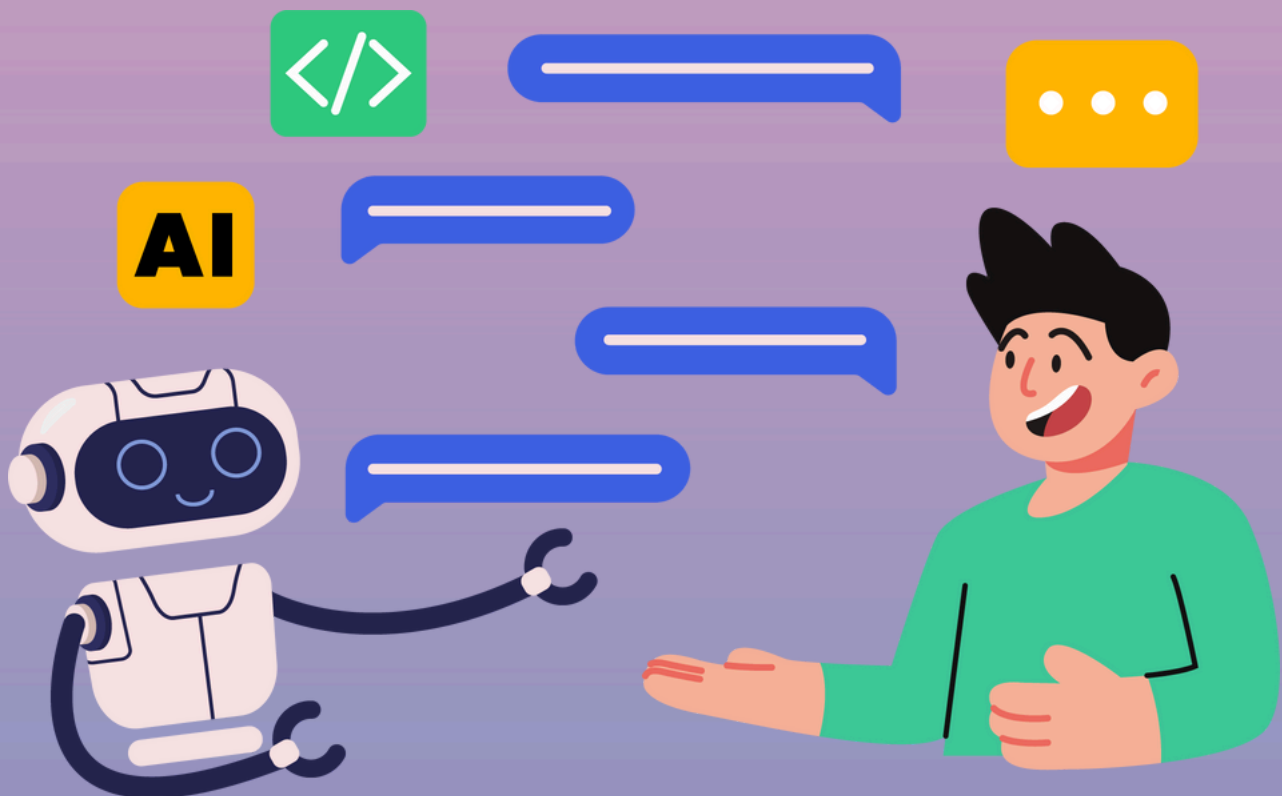


PROMPT ENGINEERING

COURSE CURRICULUM



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PROMPT ENGINEERING – COURSE CURRICULUM

ROAD MAP

- Learn how to communicate effectively with AI systems like ChatGPT, Claude, and Gemini
- Ideal for Developers, Content Creators, AI Enthusiasts, Educators, and Product Designers
- Build real-world skills in designing, refining, and optimizing prompts for large language models (LLMs)

CAREER PATH

- AI Prompt Engineer
- Conversational UX Designer
- AI Content Strategist
- LLM Application Developer
- AI Solutions Architect
- Certification from top platforms: Coursera, DeepLearning.AI, Udemy, IBM, Microsoft, upGrad

COURSE DURATION

🕒 3 Weeks Intensive Learning

I N F O T E K H

COURSE CONTENT

Module 1: Introduction to Prompt Engineering

- What is Prompt Engineering?
- Why it Matters in the Era of Generative AI
- Understanding Language Models: ChatGPT, Claude, Gemini, and others
- Overview of Use Cases: Coding, Content, Design, Research, Teaching

Module 2: Foundations of Prompt Design

- Types of Prompts: Zero-shot, One-shot, Few-shot
- Prompt Structure and Role-based Instructions
- Prompt Framing: Tasks, Constraints, and Style
- Handling Biases and Ethical Considerations in Prompts

Module 3: Techniques to Improve Prompt Performance

- Chain-of-Thought (CoT) Prompting
- Tree of Thoughts (ToT) and ReAct Prompting
- Self-Consistency and Iterative Prompting
- Role Prompting and Context Window Management
- Common Prompt Mistakes and How to Fix Them

Module 4: Prompt Engineering Tools & Platforms

- Prompt Injection & Defense Techniques
- Prompt Debugging and Testing
- Prompt Templates & Frameworks
- Using Prompt Engineering in APIs (OpenAI, Anthropic, Google AI Studio)

Module 5: Real-World Applications & Projects

- Chatbot Prompting for Businesses
- Code Generation with LLMs
- Image & Video Generation Prompting
- SEO and Blog Writing with Prompt Templates
- Classroom, Learning, and Exam Preparation Prompts

Module 6: Best Prompt Engineering Courses to Explore (Optional Advanced Learning)

- Mastering Generative AI and ChatGPT – GeeksforGeeks
- Prompt Engineering for ChatGPT – Vanderbilt University (Coursera)
- AI-Powered Prompt Engineering with AI Models – Udemy
- Advanced Certificate in Generative AI – upGrad
- Generative AI for Beginners – Microsoft
- Prompt Engineering for Developers – DeepLearning.AI
- Prompt Engineering Basics – IBM
- ChatGPT Course: Beginner to Advance – Edureka
- Learn Prompting: Intro Course – Learn Prompting
- Prompt Engineering for ChatGPT – Great Learning



Thank you



Thank You for Going Through Prompt Engineering Curriculum
We hope this guide has provided a clear and structured learning path
to strengthen your skills in Prompt Engineering.

📌 **NEXT STEPS**

- Start practicing with real-world use cases and hands-on exercises
- Build personal or client-based projects for your portfolio
- Keep exploring updates and best practices in the industry
- Join discussions and stay connected with the community

📞 **Need Help or Guidance?**

Feel free to contact our course support team:

Course Coordinator

GS Infotekh

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