

Since 2007, Making IT Experts & Products

Course: AI Prompt Engineering

Duration: 30 Hrs (Changeable) | Fees: Individual / Batch

Since 2007, Nestsoft TechnoMaster has been providing training, internships, and services in IT technologies, both online and offline, with the expertise of **over 250 industry experts**. We have delivered internships, training, and seminars to more than 50,000 students, resulting in numerous success stories. **We offer 100% placement support through JobsNEAR.in**

Our Courses/Internship

- Python/Django Fullstack
- Artificial Intelligence
- Machine Learning
- Data Science
- Software Testing (All)
- Wordpress, Woocommerce
- Digital Marketing, SEO
- Php/MySQL, Laravel
- Flutter, Android, IOS
- Asp.net MVC
- Web Design, Javascript
- Angular JS, React JS
- CCNA, MCSA, CCNP
- AWS, GCP, Azure
- Odoo, Salesforce, Sap
- Microsoft Excel
- Ethical Hacking



Syllabus on the Next Page ..



Our Head Office: Nestsoft TechnoMaster, Infopark, Cochin - 42, Kerala, India

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Introduction

Students will be able to design and develop AI applications using AI tools, design AI responses, practical knowledge, and AI applications in real world.

Course Syllabus

Month 1: Generative AI & Prompt Engineering Fundamentals

Introduction to Artificial Intelligence

- * Introduction to Artificial Intelligence
- * History and Evolution of AI
- * Types of Artificial Intelligence
- * AI Applications in Real World
- * Machine Learning and Deep Learning Overview
- * Introduction to Generative AI

Large Language Models (LLMs)

- * Introduction to Large Language Models
- * How AI Language Models Work
- * LLM Architecture Basics
- * Tokens and Context Windows
- * Training and Fine-Tuning Concepts
- * Limitations of AI Models

Prompt Engineering Basics

- * Introduction to Prompt Engineering
- * Importance of Effective Prompt Design
- * Prompt Structure and Components
- * Writing Clear and Specific Instructions

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- * Role-Based Prompting
- * Instruction-Based Prompting
- * Zero-Shot Prompting
- * Few-Shot Prompting

Month 2: Advanced Prompt Engineering & AI Applications

Advanced Prompt Techniques

- * Chain-of-Thought Prompting
- * Context Engineering
- * Prompt Optimization Techniques
- * Multi-Step Prompt Workflows
- * Prompt Testing and Evaluation
- * Improving AI Response Quality

AI Tools and Platforms

- * ChatGPT Advanced Features
- * Google Gemini
- * Claude AI
- * Microsoft Copilot
- * AI Image Generation Tools
- * AI Video Generation Tools
- * AI Productivity Tools

AI Automation and Integration

- * AI Workflow Automation

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- * AI Content Generation
- * AI Marketing Applications
- * AI Coding Assistance
- * AI Data Analysis
- * Chatbot Development Concepts
- * AI API Integration Basics

Practical Projects

- * AI Chatbot Creation
- * AI Content Generator
- * AI Resume Builder
- * AI Research Assistant
- * AI Marketing Assistant
- * AI Automation Workflow Project

Tools and Technologies

- * ChatGPT
- * Google Gemini
- * Claude AI
- * Microsoft Copilot
- * OpenAI API
- * Midjourney
- * DALLÂ·E
- * AI Automation Tools

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- * Prompt Libraries
- * No-Code AI Platforms

(Click on Course for more details)

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- Thank You -

N.B: This syllabus is not final and can be customized as per requirements / updates.

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