



# PROMPT ENGINEERING

ZERO-SHOT . FEW-SHOT . CHAIN  
SYSTEM PROMPTS . PROMPT  
EVALUATION . GUARDRAILS . CO

## DURATION

**30 Hours**

## LEVEL

**Beginner to  
Advanced**

## MODULES

**8**

## MODE

**Classroom ·  
Online · Hybrid**

## 01 COURSE OVERVIEW

**A focused course on writing, testing and maintaining prompts for production use.** The course treats prompting as engineering work: version-controlled instructions, structured output, measurable quality and controlled cost. Techniques are practised across ChatGPT, Claude, Gemini and Perplexity so learners can see how the same prompt behaves on different models.

The final exercise is a documented prompt library for a chosen business function, with an evaluation sheet.

### WHO IT IS FOR

Anyone using AI tools daily at work

Marketers, analysts and support teams

Developers building AI features

Trainers and content teams

### PREREQUISITES

No programming required. Comfort with web tools is enough.

---

## 02 LEARNING OUTCOMES

**01** Choose a prompting pattern that suits the task.

**03** Force structured, parseable output.

**05** Test prompt quality with a repeatable evaluation set.

**07** Defend prompts against injection and leakage.

**02** Write system prompts that hold behaviour over long chats.

**04** Chain prompts into multi-step workflows.

**06** Reduce token cost without losing accuracy.

---

## 03 MODULE STRUCTURE

8 MODULES

---

### 01 FOUNDATIONS

How models read prompts

Determinism and temperature

Common failure modes

LAB

**SAME PROMPT ACROSS FOUR MODELS**

Tokens and context

Model differences

---

### 02 CORE PATTERNS

Zero-shot

Few-shot

Delimiters and formatting

LAB

**PATTERN COMPARISON**

One-shot

Instruction framing

Negative instructions

---

## 03 REASONING PATTERNS

Chain-of-thought

Self-consistency

Task decomposition

Tree-of-thought

Step-back prompting

LAB

MULTI-STEP REASONING TASKS

---

## 04 ROLE AND SYSTEM DESIGN

Role prompting

Tone and constraints

Refusal handling

System prompt structure

Persona consistency

LAB

SUPPORT ASSISTANT SYSTEM PROMPT

---

## 05 STRUCTURED OUTPUT

JSON output

Tables and lists

Retry strategies

Schemas

Validation

LAB

SCHEMA-VALIDATED EXTRACTION

---

## 06 CHAINING AND WORKFLOWS

Prompt chaining

Summarise-then-act

Human review points

Routing

Tool use

TOOLS

CHATGPT

CLAUDE

GEMINI

PERPLEXITY

---

## 07 EVALUATION AND OPTIMISATION

Test sets

LLM-as-a-judge

Token and latency budgets

Rubrics

A/B testing prompts

LAB

EVALUATION SHEET

---

## 08 SAFETY AND MAINTENANCE

Prompt injection

Sensitive data handling

Documentation

Data leakage

Versioning

PROJECT

PROMPT LIBRARY FOR ONE BUSINESS FUNCTION

---

## 04 ASSESSMENT & CERTIFICATION

|                             |     |
|-----------------------------|-----|
| Module assignments and labs | 25% |
| Mini projects               | 20% |
| Internal assessments        | 15% |
| Final project and review    | 40% |

### CERTIFICATION

Learners who complete all modules, submit the final project and clear the review receive a course completion certificate from Kaizen Infinities Private Limited. Project work is documented for the learner's portfolio, and interview preparation is included in the closing sessions.

---

## 05 CAREER OUTCOMES

ROLES THIS PROGRAMME PREPARES FOR

PROMPT ENGINEER

AI CONTENT SPECIALIST

AI SUPPORT DESIGNER

AI WORKFLOW CONSULTANT

CONVERSATION DESIGNER

CALL US

+91 73051 33996

EMAIL US

apply@kaizeninfinities.com

VISIT OUR WEBSITE

www.kaizeninfinities.com