KIDS & TEENS FREELANCING TRAINING INSTITUTE

Prompt Management Engineering Course Outline

Module 1: What is Prompt Engineering?

- Definition of prompt engineering in simple words
- Why prompts matter when talking to AI (text/image/code)
- Real-life example: Getting different answers by changing the question
- Activity: Try asking the same question in two different ways

Module 2: Understanding AI Behavior and Responses

- How AI interprets prompts and delivers results
- Importance of clarity, intent, and structure
- Real-life example: Giving instructions to a robot chef
- Activity: Break down a prompt and predict AI's response

Module 3: Types of Prompts and Use Cases

- Informational, creative, instructional, conversational prompts
- Examples: Email writing, lesson planning, coding tasks
- Real-life example: Prompting AI to summarize a long article
- Activity: Match prompt types to real-world goals

Module 4: Prompt Optimization Techniques

- Using context, tone, constraints, and examples
- Prompts that include role-play, formatting, or step-by-step instructions
- Real-life example: Improving a prompt to write better job descriptions

- Activity: Rewrite weak prompts into stronger ones

Module 5: Advanced Prompt Structures

- Multi-step prompts, chain-of-thought prompting, few-shot learning
- Real-life example: Teaching AI to solve a math problem step by step
- Activity: Build a complex prompt with sub-tasks

Module 6: Prompt Testing and Evaluation

- How to evaluate prompt quality: relevance, consistency, usefulness
- A/B testing prompts for better results
- Real-life example: Testing prompts for customer service replies
- Activity: Test two different prompts and compare outputs

Module 7: Prompt Engineering in the Real World

- Use in marketing, software development, design, research
- Tools: ChatGPT, Bard, Claude, Midjourney prompt templates
- Real-life example: AI-powered content creation pipeline
- Activity: Design a mini-project using prompt engineering

Module 8: Careers & Future of Prompt Engineering

- Job titles: Prompt Engineer, AI Product Lead, Content Designer
- Skills needed: critical thinking, creativity, attention to detail
- Real-life example: Tech companies hiring prompt engineers
- Activity: Draft a sample prompt portfolio to showcase your skills

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Bonus Materials

- Prompt writing cheat sheet (text, image, code)
- Library of reusable prompt templates
- Best practices guide for ethical prompting
- Sample project prompts for practice
- Certificate of Completion for Prompt Engineering