



KIDS & TEENS FREELANCING TRAINING INSTITUTE

Generative AI Course Outline

Module 1: What is Generative AI and How It Works

- Introduction to Generative AI and how it's different from regular AI
 - Real-life examples: ChatGPT writing stories, DALL·E making art
 - Understanding how AI learns patterns and creates new content
 - Activity: Spot real vs. AI-generated content
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Module 2: Types of Generative AI Tools

- Text generation (ChatGPT), image generation (DALL·E, Midjourney), video and music tools
 - Real-life example: Using AI to write an article or design a poster
 - Overview of models like GPT, Stable Diffusion, and LLaMA
 - Activity: Try out a text or image AI tool
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Module 3: How AI is Trained – Behind the Scenes

- What are datasets, models, and training in simple terms
 - Understanding large language models and neural networks
 - Real-life example: Teaching an AI to complete sentences
 - Activity: Visualize how an AI model "learns" using examples
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Module 4: Text, Image, and Code Generation

- Creating stories, emails, poems using text AI
- Designing graphics, logos, and avatars with image AI
- Generating code for websites or apps with AI tools
- Activity: Generate something with AI and improve it manually

Module 5: Prompt Engineering Basics

- What is a “prompt” and how to write good ones
- Real-life example: Asking AI for specific tasks like lesson plans
- Tips for clarity, context, tone, and creativity
- Activity: Practice writing different prompts for different tasks

Module 6: Ethics and Responsibility in AI Use

- Deepfakes, misinformation, bias, and content authenticity
- Real-life example: Using AI responsibly in school or work
- The importance of transparency and ethical usage
- Activity: Group discussion on what’s right vs. risky with AI

Module 7: Real-World Applications of Generative AI

- AI in education, healthcare, marketing, gaming, and design
- Case studies: Businesses using AI to boost productivity
- Real-life example: A company using AI to generate ads
- Activity: Brainstorm an app idea that uses Generative AI

Module 8: Careers & Future of Generative AI

- AI-related roles: Prompt engineer, AI trainer, model tester
- Skills to learn: Python, ML, NLP, and ethics
- Real-life example: How people are building startups using AI
- Activity: Create your own “dream AI app” sketch or concept

Bonus Materials

- Prompt engineering cheat sheet
- List of popular AI tools (text, image, video)
- AI usage policy template
- Portfolio project ideas using Generative AI
- Certificate of Completion for Generative AI

