



Gen AI for Everyone

1 WEEK PROGRAM

ABOUT CPI

Established in 1996, **CPI TECHNOLOGIES** is a global IT education and consulting firm, providing top-tier services to a diverse clientele. Our consulting services cover managed networks, Artificial Intelligence and Machine Learning, Data Analytics, Cybersecurity, Cloud Computing, Digital Marketing, and Web/Mobile Application Development. We are known for delivering personalized and expert services to both individuals and corporate clients, utilizing best-in-class technologies.

Our partnerships with industry leaders ensure world-class delivery by our highly experienced and certified IT professionals.



Course Description:



Gen AI for Everyone is a beginner-friendly course designed to introduce learners to the world of Generative Artificial Intelligence (Gen AI). This course breaks down complex AI concepts into digestible content for individuals without prior knowledge of AI, coding, or data science.

Through engaging explanations, hands-on practice, and real-world applications, students will master foundational Gen AI concepts such as Large Language Models (LLMs), prompt engineering, AI agents, text-to-image generation, and responsible AI usage.

By the end of this course, students will be fully prepared to take and pass the i3Cert Certified Gen AI Essentials certification exam and confidently apply Gen AI tools in their personal, academic, or professional environments.

Who Should Take This Course?

This course is suitable for everyone, especially:

- Students and job-seekers wanting to add AI skills to their profile
- Professionals seeking to integrate Gen AI into their workflow
- Educators and trainers exploring Gen AI in teaching
- Entrepreneurs and business leaders adopting AI-driven strategies
- Content creators, marketers, and designers using AI tools
- Curious learners who want to understand and explore the future of AI

Program Details:

By the end of the course, participants will:

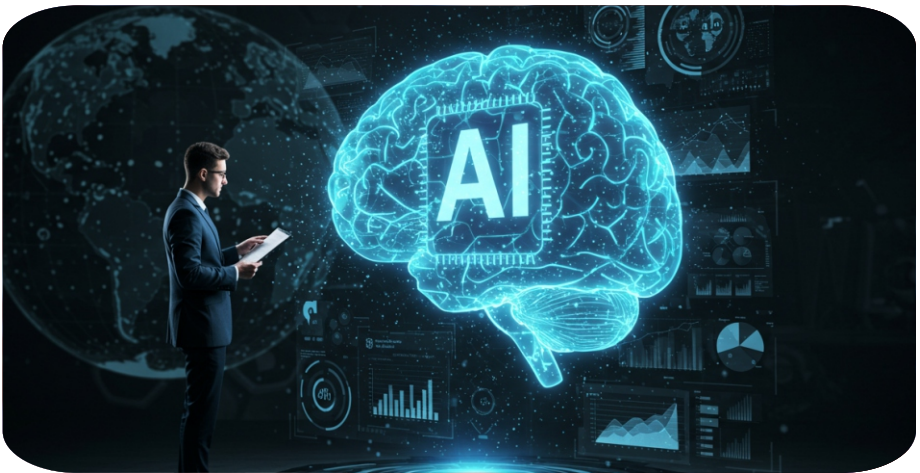
Learning Mode: Live Online class + recorded video

Duration: One Week (Morning, Afternoon, Evening, Weekend)

Requirement: Laptop + webcam + Internet

No technical or programming background is required.

Basic Computer Knowledge



Program Details:

By the end of this course, students will be able to:

- Understand what Generative AI is and how it works
- Differentiate between AI, Machine Learning, and Gen AI
- Use popular Gen AI tools like ChatGPT, Copilot, Gemini (Bard), DALL-E, and Midjourney
- Craft effective prompts for text, code, and image generation

- Understand how LLMs function and how to interact with them
- Identify ethical concerns and apply responsible AI practices
- Apply Gen AI to real-world scenarios in education, business, healthcare, and more
- Prepare for and pass the i3Cert Certified Gen AI Essentials exam

Course Outline:

Module 1:

Introduction to AI and Generative AI

- What is Artificial Intelligence?
- Types of AI: Narrow AI vs. General AI
- Generative AI vs. Traditional AI
- Real-world examples and current trends

Module 2:

Understanding Generative AI Technologies

- Overview of Large Language Models (LLMs)
- How ChatGPT and other LLMs work
- Introduction to Transformer architecture (non-technical explanation)
- Role of training data and fine-tuning

Course Outline:



Module 3: **Prompt Engineering Essentials**

- What is a prompt?
 - Anatomy of a good prompt
- Prompting for creativity, reasoning, and specific outputs
- Prompt frameworks (e.g., Chain-of-Thought, Role-based prompting)
- Practice sessions with ChatGPT, Bard, and Copilot

Module 4: **Text-to-Image Generation**

- How AI creates images from text
- Tools: DALL·E, Midjourney, Adobe Firefly
- Writing creative image prompts
- Style, realism, and use cases (education, marketing, design)
- Image safety and usage rights

Course Outline:



Module 5: **Practical Applications of Gen AI**

- AI in Education: Tutoring, lesson planning, and quizzes
- AI in Business: Emails, reports, market research
- AI in Healthcare: Summaries, training, chatbot simulations
- AI in Creative Fields: Scriptwriting, poetry, branding, design
- Building your AI-enhanced productivity stack

Module 6: **AI Agents and Autonomous Tools**

- What are AI agents?
- Task automation with AI
- Overview of tools like AutoGPT, AgentGPT
- Limitations and risks

Module 7: **Ethics, Safety, and Responsible AI Use**

- Bias, fairness, and data privacy
- Transparency and human oversight
- AI-generated misinformation and deepfakes
- Using Gen AI responsibly at work or school
- i3Cert Code of Conduct and Best Practices

Course Outline:



Module 8:

Certification Preparation & Capstone Project

- Review of key concepts and tools
- Practice questions and mock tests for i3Cert Gen AI Essentials
- Capstone Project: Create and present a practical use case using Gen AI
- Final readiness checklist

Assessment & Certification Readiness

Assessment & Certification Readiness

- Interactive quizzes at the end of each module
- Real-time tool demonstrations and assignments
- Capstone project with peer/instructor review
- Mock exam simulating the i3Cert Certified Gen AI Essentials exam
- Certification prep module to ensure exam success

Outcome

Upon successful completion of the course, students will:

- Be certification-ready for i3Cert Gen AI Essentials
- Confidently use Gen AI tools in professional or academic contexts
- Have a personal Gen AI portfolio (project + prompts)
- Be awarded a Certificate of Completion from the training institution
- Be well-positioned to pursue more advanced Gen AI or AI specialization courses

Engr. Timothy Ugbaja

Program Director

Engr. Timothy Ugbaja is a dynamic force in the global technology space, now serving as the Chief Operating Officer (COO) of CPI Technologies Inc., a trailblazing firm in IT training and enterprise technology solutions. With over 20 years of experience spanning artificial intelligence, DevOps, cloud architecture, machine learning, and quantum computing, Timothy brings to CPI a wealth of strategic insight, operational excellence, and visionary leadership.

A seasoned technologist and transformative educator, Engr. Ugbaja has left a significant imprint on both industry and academia. His instructional focus on AI, Machine learning, cloud computing, and software development laid the foundation for a generation of tech innovators.



Engr. Timothy Ugbaja

Chief Operating Officer CPI Education

Timothy's transition into executive leadership saw him serve as General Manager at Bellemem Nigeria Limited, where he spearheaded the integration of DevOps and AI-driven processes that catalyzed the company's growth and innovation trajectory. His strategic oversight elevated Bellemem as a formidable player in the tech sector, delivering agile solutions across industries.

As COO of CPI Technologies Inc., Engr. Timothy Ugbaja oversees global operations, partnerships, and technology strategy, driving the company's mission to equip individuals and organizations with the skills and tools needed to thrive in the AI-driven future.

His leadership style is defined by excellence, innovation, and a deep passion for empowerment through education. With Timothy at the helm of operations, CPI Technologies is poised for unprecedented growth and global impact.