



www.vikatworld.com Info@vikatworld.com Contact us: +91 909 5050 353

Master the Future of AI – Build, Deploy & Automate with GenAI

Course Overview

This training program is designed for **students, professionals, developers, and** business teams who want hands-on expertise in Generative AI, Large Language Models (LLMs), Prompt Engineering, AI Automation, and Agent-based systems.

By the end of the course, you will be able to build AI-powered apps, automate workflows, create chatbots, fine-tune LLMs, and integrate AI into real business solutions.

Key Learning Modules

1. Introduction to Generative AI

- What is Generative AI?
- Evolution of AI → LLMs
- Understanding GPT, Claude, Gemini, Llama
- Use cases across industries

2. Prompt Engineering (Beginner → Advanced)

- Types of prompts: Zero-shot, Few-shot, Chain-of-Thought
- System vs User prompts

“Discipline Gives Everything”

Head Office



#131-5J, 1st Floor, Bharath Building, Swamy
Nellaiappar High Road, SriPuram, Tirunelveli,
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Corporate Office

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- Role prompting & agent prompting
- Structure of high-quality prompts
- Prompt patterns for coding, writing, data analysis
- Prompt optimisation techniques

3. LLMs & Model Architecture

- Tokenization & embeddings
- Transformers explained simply
- Training vs Fine-tuning
- Comparing LLMs: GPT, Mistral, Llama, Phi, Claude
- Model selection based on use cases

4. Hands-On Projects

- Build an AI chatbot
- AI email / content generator
- AI research assistant
- Resume analyser + ATS scoring tool
- Social media post generator
- Business automation assistant

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5. AI Agents & Automation

- Autonomous agent workflows
- Using tools & function calling
- Build task-based AI agents
- Integrate agents with real business systems

6. LLM App Development

- Build a GenAI web app
- API integration (OpenAI, Google, Meta, Anthropic)
- Streamlit / Gradio interface
- Real-time AI apps (voice, chat, image)

7. AI for Developers

- Code generation
- AI pair programming
- Using AI tools: GitHub Copilot, Cursor AI, WindSurf
- Debugging & testing using AI

8. AI for Business & Marketing

- AI for content creation
- AI for customer support automation
- AI in HR & recruiting

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- AI in data analytics

9. LLM Fine-Tuning & RAG Systems

- Fine-tuning Llama/Mistral
- Dataset preparation
- Vector databases (Pinecone, FAISS)
- Build a Retrieval Augmented Generation (RAG) system

10. Bonus Modules

- Ethical & safe AI use
- AI copyright & compliance
- Prompt marketplace strategies
- How to earn with AI tools (freelancing)

✂ Tools & Platforms Covered

- ChatGPT, Gemini, Claude, Llama
- OpenAI API, Google AI Studio, Meta AI tools
- LangChain / LlamaIndex
- Vector Databases (FAISS / Pinecone)
- Streamlit / Gradio app building
- GitHub Copilot, Cursor IDE

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Who Should Join?

- Students & job seekers
- Software developers
- IT professionals
- Business owners & startups
- Digital marketers
- Freelancers & content creators
- UX/UI designers
- Anyone wanting to build AI apps

Certification

All learners receive an **Industry Recognized Certification** upon course completion.



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