



The future has arrived GENERATIVE AI & AGENTIC AI

CERTIFIED GENERATIVE AI & AGENTIC AI
IMPLEMENTATION PROGRAM
Duration: 3 Months



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PHASE 1 – AI FOUNDATIONS & LLM UNDERSTANDING

Module 1 AI Landscape & Transformation



- AI, Machine Learning, Generative AI, Agentic AI
- Real-world industry transformation using AI
- AI applications for students, professionals & entrepreneurs
- Identifying opportunities to apply AI

Module 2 LLM Fundamentals



- How Large Language Models work
- Tokens, embeddings
- Limitations: hallucination, bias

PHASE 2 – PROMPT ENGINEERING & AI CONTROL

Module 3 Advanced Prompt Engineering



- Role-based prompting
- Chain-of-Thought (CoT)
- Structured prompting techniques

Module 4 Prompt Systems & Automation



- Prompt templates
- Reusable AI systems
- Prompt-based automation

PHASE 3 – GENERATIVE AI SYSTEMS

Module 5 Multimodal AI Systems



- Text, Image, and Video AI
- AI content pipelines
- Cross-modal workflows

Module 6 AI Productivity Systems

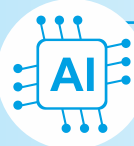


- AI for decision-making
- Business productivity automation
- AI-driven workflows

PHASE 4 – KNOWLEDGE SYSTEMS (Fundamental)

Module 7 Retrieval-Augmented Generation (RAG)

- RAG fundamentals
- Knowledge-based AI systems
- Document-based querying



Module 8 AI Knowledge Assistants

- Building document-based AI assistants
- Internal knowledge systems

PHASE 5 – AGENTIC AI SYSTEMS (CORE)

Module 9 AI Agents & Capabilities

- What are AI agents
- Memory, planning, execution
- Autonomous workflows



Module 10 Multi-Agent Workflows

- Collaboration between AI agents
- Task distribution & orchestration

Module 11 Agent Frameworks (Intro)

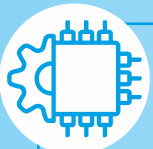
- CrewAI / AutoGen basics
- Agent-based system design



PHASE 6 – AUTOMATION & DEPLOYMENT

Module 12 Workflow Automation

- AI + tools integration
- Business automation workflows



Module 13 AI Application Development

- Building simple AI apps
- Deployment basics
- UI for AI tools



PHASE 7 – CAPSTONE PROJECT

Final Capstone Project Final Project (Choose One Track)

- Students: AI Study Assistant
- Professionals: AI Productivity Assistant
- Entrepreneurs: AI Business Automation System





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Program Benefits

- Become an AI Builder – Not Just a User
- Master the Most In-Demand Skills of the Future
- Hands-On, Project-Based Learning
- Build a Powerful AI Portfolio
- 10x Productivity in Your Work
- Industry-ready Certificate
- Career & Business Transformation



Career Opportunities



AI & Technology Roles

- Generative AI Specialist
- AI Automation Expert
- AI Agent Developer
- Conversational AI Developer



Business & Strategy Roles

- AI Consultant
- AI Solutions Architect
- Digital Transformation Specialist
- Business Automation Expert



Freelancing & Entrepreneurship

- AI Chatbot Developer
- Automation Consultant
- AI Content & Marketing Specialist
- AI Tool Builder



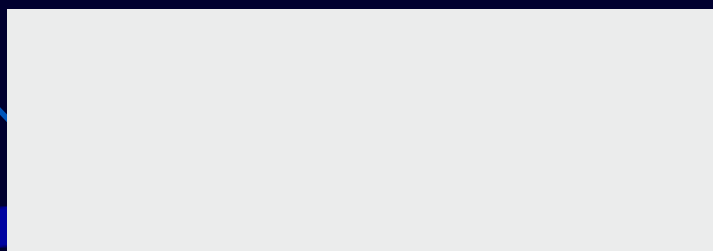
Build Your Own AI-Based Business

- Launch AI automation services
- Create AI-powered products
- Offer consulting to businesses



Future-Proof Your Career

AI is transforming every industry. This program equips you with the skills, tools, and mindset to stay ahead in a rapidly evolving world.



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