FEEDNET TEACH
LEARN • BUILD • INNOVATE

INDUSTRY-ORIENTED TRAINING

GENERATIVE AI WITH AGENTIC AI

Build intelligent applications. Create AI agents. Automate workflows.

4-MONTH PROGRAMME

COURSE FEE

INR 19,999/-

~~INR 79,980/-~~

75% OFF

SAVE INR 59,981

Go beyond prompts — build AI systems that take action

01 **GENERATIVE AI & LLMs**
Understand foundation models, prompting and LLM application patterns.

02 **RAG & AI AGENTS**
Connect enterprise knowledge and equip agents with tools and memory.

03 **MULTI-AGENT AUTOMATION**
Design workflows that reason, collaborate and complete tasks.

THREE CAREER & EARNING PATHWAYS

GET HIRED
Prepare for Generative AI and AI Engineer roles.

FREELANCE
Build AI assistants and workflow automation solutions.

BUILD
Create AI-powered applications and SaaS products.

HANDS-ON PROJECTS • AI AGENTS • CAREER GUIDANCE

Career guidance and project experience are provided; employment or income is not guaranteed.

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COURSE CURRICULUM

PYTHON, LLMs & KNOWLEDGE-POWERED AI

Build the foundations for reliable Generative AI applications.

01 PYTHON FOR AI APPLICATION DEVELOPMENT

- Python programming, functions, modules, OOP and virtual environments
- APIs, JSON, async basics, logging, exceptions and package management

02 AI, MACHINE LEARNING & DEEP LEARNING FOUNDATIONS

- AI vs. ML vs. deep learning; neural networks and model training concepts
- How foundation models and transformer-based LLMs work

03 GENERATIVE AI & LARGE LANGUAGE MODELS

- LLM capabilities, tokens, context windows and model limitations
- Model selection, temperature, sampling and inference concepts

04 PROMPT ENGINEERING & STRUCTURED OUTPUTS

- Instruction design, roles, context, examples and prompt patterns
- Few-shot prompting, structured JSON outputs and prompt evaluation

05 LLM APIs & APPLICATION INTEGRATION

- Integrating hosted LLM APIs into Python applications
- Streaming, conversation history, function calling and error handling

06 EMBEDDINGS & VECTOR DATABASES

- Text embeddings, semantic similarity and vector search
- Chunking strategies, metadata filtering and retrieval fundamentals

07 RETRIEVAL-AUGMENTED GENERATION (RAG)

- Document ingestion, parsing, chunking, indexing and retrieval
- Grounded responses, citations, hybrid search and retrieval evaluation

08 ADVANCED RAG & KNOWLEDGE SYSTEMS

- Query rewriting, reranking, metadata-aware and hybrid retrieval
- RAG evaluation, hallucination reduction and knowledge-base updates

AUTONOMOUS WORKFLOWS & PRODUCTION AI

Design, orchestrate, evaluate and deploy tool-using AI systems.

09 AI AGENTS & TOOL USE

- Agent architecture, reasoning loops, planning and task execution
- Tools, function calling, APIs, memory and human approval

10 LANGCHAIN & LANGGRAPH

- Chains, prompts, retrievers, tools and application components
- Stateful graphs, nodes, edges, checkpoints and controlled workflows

11 MULTI-AGENT SYSTEMS & COLLABORATION

- Agent roles, delegation, handoffs and shared task context
- Multi-agent orchestration patterns and workflow coordination

12 MODEL CONTEXT PROTOCOL (MCP) & INTEGRATIONS

- MCP concepts, tools, resources and client-server architecture
- Connecting AI applications with external systems and services

13 AI EVALUATION, SAFETY & GUARDRAILS

- Testing prompts, RAG pipelines, agents and tool execution
- Groundedness, quality checks, guardrails, privacy and access control

14 DEPLOYMENT, MONITORING & OPTIMIZATION

- FastAPI deployment, Docker and environment configuration
- Tracing, logging, latency, token cost and production monitoring

15 ADVANCED AGENTIC AI DESIGN & INTERVIEW PREPARATION

- Agent reliability, failure recovery, observability and design trade-offs
- Architecture discussions, project walkthroughs and scenario-based interviews

PROJECT-BASED LEARNING

01 AI Document Assistant (RAG Chatbot)

02 Customer Support AI Agent

03 Multi-Agent Research & Report Automation

04 Autonomous AI Coding & Debugging Agent

FINAL CAPSTONE

Enterprise Agentic AI Workflow Platform

Build a multi-step AI solution with RAG, tools, agents, approvals and evaluation.