



**QUILLANCE
INFOTECH PVT LTD.**

Gen AI & Agentic AI

The Quillance Gen AI & Agentic AI Program is a comprehensive beginner-to-advanced training program designed to help learners master Generative AI, Large Language Models (LLMs), AI automation, and intelligent AI agent systems. This program covers everything from AI fundamentals to advanced autonomous AI workflows, multi-agent systems, and real-world AI application development.



Program Overview

What You Will Learn

- Understand Generative AI and Large Language Models (LLMs)
- Learn prompt engineering and AI interaction techniques
- Build AI-powered chatbots and automation systems
- Develop intelligent AI agents and multi-agent workflows
- Understand Retrieval-Augmented Generation (RAG) systems
- Work with real-world AI automation and deployment workflows

Career Opportunities

After completing this program, learners can apply for roles such as:

- Generative AI Engineer
- AI Automation Specialist
- Prompt Engineer
- AI Application Developer
- Agentic AI Developer
- AI Research & Innovation Intern

Live Projects You'll Build

- **Project 1 – AI Chatbot Assistant**

Build conversational AI chatbots using LLMs and prompt engineering techniques.

- **Project 2 – AI Content Generation Platform**

Create AI systems for generating blogs, marketing content, and summaries.

- **Project 3 – AI Resume & Interview Assistant**

Develop intelligent systems for resume analysis and interview preparation.

- **Project 4 – AI Research & Document Analysis Tool**

Build Retrieval-Augmented Generation (RAG)-based AI document systems.

- **Project 5 – Autonomous AI Agent System**

Develop AI agents capable of planning, reasoning, and task execution.

- **Project 6 – Multi-Agent AI Workflow Platform**

Create collaborative AI agent systems for automation and business operations.

MODULE 1

Generative AI Fundamentals

TOPICS COVERED:

- Introduction to Artificial Intelligence & Generative AI
- Understanding Large Language Models (LLMs)
- AI Applications & Industry Use Cases
- Basics of Prompt Engineering
- AI Ethics & Responsible AI Concepts
- Introduction to AI Workflows & Automation

SKILLS GAINED:

- *Generative AI Fundamentals*
- *Prompt Engineering Basics*
- *AI Workflow Understanding*
- *Intelligent System Awareness*

PRACTICAL LEARNING:

- Explore AI-generated content systems
- Understand LLM capabilities and limitations
- Work with AI prompts and interactions
- Learn AI workflow fundamentals

MODULE 2

Prompt Engineering & AI Application Development

TOPICS COVERED:

- Advanced Prompt Engineering Techniques
- AI Text, Image & Content Generation
- AI Chatbot Development Basics
- LLM APIs & AI Integration
- AI Workflow Automation Concepts
- AI Application Deployment Basics

SKILLS GAINED:

- Prompt Engineering Skills
- AI Application Development
- AI Integration Knowledge
- Workflow Automation Understanding

PRACTICAL LEARNING:

- Create AI-generated applications
- Build chatbot and content systems
- Work with AI APIs and integrations
- Develop prompt optimization workflows

MODULE 3

Retrieval-Augmented Generation (RAG) & AI Systems

TOPICS COVERED:

- Introduction to RAG Systems
- Vector Databases & Embeddings
- Document Processing & AI Search
- Knowledge-Based AI Applications
- Semantic Search & AI Retrieval
- AI Memory & Context Handling

SKILLS GAINED:

- RAG Workflow Understanding
- Vector Database Knowledge
- AI Search & Retrieval Skills
- Intelligent Data Processing Skills

PRACTICAL LEARNING:

- Build document-aware AI assistants
- Create AI search and retrieval systems
- Process and analyze large datasets
- Understand AI context management

Module 4

Agentic AI & Autonomous Systems

TOPICS COVERED:

- Introduction to Agentic AI
- AI Agents & Autonomous Workflows
- Multi-Agent Collaboration Systems
- AI Planning & Task Execution
- Memory Management in AI Agents
- Intelligent Decision-Making Systems

PRACTICAL LEARNING:

- Build autonomous AI agents
- Create multi-agent workflows
- Develop AI reasoning systems
- Deploy scalable AI applications

SKILLS GAINED:

- Agentic AI Knowledge
- Autonomous Workflow Development
- AI Planning & Reasoning Skills
- Multi-Agent System Understanding

Advanced AI Automation & Deployment

TOPICS COVERED:

- AI Automation Frameworks
- AI Workflow Orchestration
- Cloud Deployment for AI Applications
- API Integration & AI Scaling
- Monitoring & Optimizing AI Systems
- Enterprise AI Solutions & Security

PRACTICAL LEARNING:

- Deploy AI applications to cloud platforms
- Build scalable AI systems
- Automate enterprise workflows using AI
- Monitor and optimize AI performance

ADVANCED CONCEPTS INCLUDED:

- AI Workflow Automation
- Intelligent Business Automation
- Scalable AI Deployment
- AI Monitoring & Optimization
- Enterprise AI Integration
- Secure AI System Design

PRACTICAL LEARNING:

- AI Deployment Knowledge
- AI Automation Skills
- Cloud AI Workflow Understanding
- Enterprise AI Engineering Skills

Module 6

Live AI Project & Team Collaboration

TOPICS COVERED:

- AI Project Planning & Workflow
- AI Dataset & Knowledge Processing
- AI Agent & Application Development
- AI Workflow Optimization
- Team Collaboration & Reporting
- Final AI Project Presentation

SKILLS GAINED:

- Real-World AI Experience
- Team Collaboration Skills
- AI Project Presentation Skills
- End-to-End AI Workflow Understanding

PRACTICAL LEARNING:

- Work on real-world AI projects
- Build AI-powered automation systems
- Present AI applications professionally
- Collaborate in AI engineering teams

Module 7

Placement & Career Preparation

TOPICS COVERED:

- Resume Building & ATS Optimization
- LinkedIn & Professional Branding
- Generative AI & Agentic AI Interview Preparation
- Prompt Engineering & AI Practice Sessions
- Mock Interviews & HR Preparation
- Career Guidance & Professional Development

SKILLS GAINED:

Students will be prepared for internships, AI engineering roles, prompt engineering opportunities, and intelligent automation careers.

CAREER SUPPORT INCLUDES:

- Resume & LinkedIn Reviews
- Mock Technical Interviews
- Internship & Placement Assistance
- GitHub & Portfolio Guidance
- Career Mentorship Sessions
- Professional Communication Training



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Thank You!!



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