

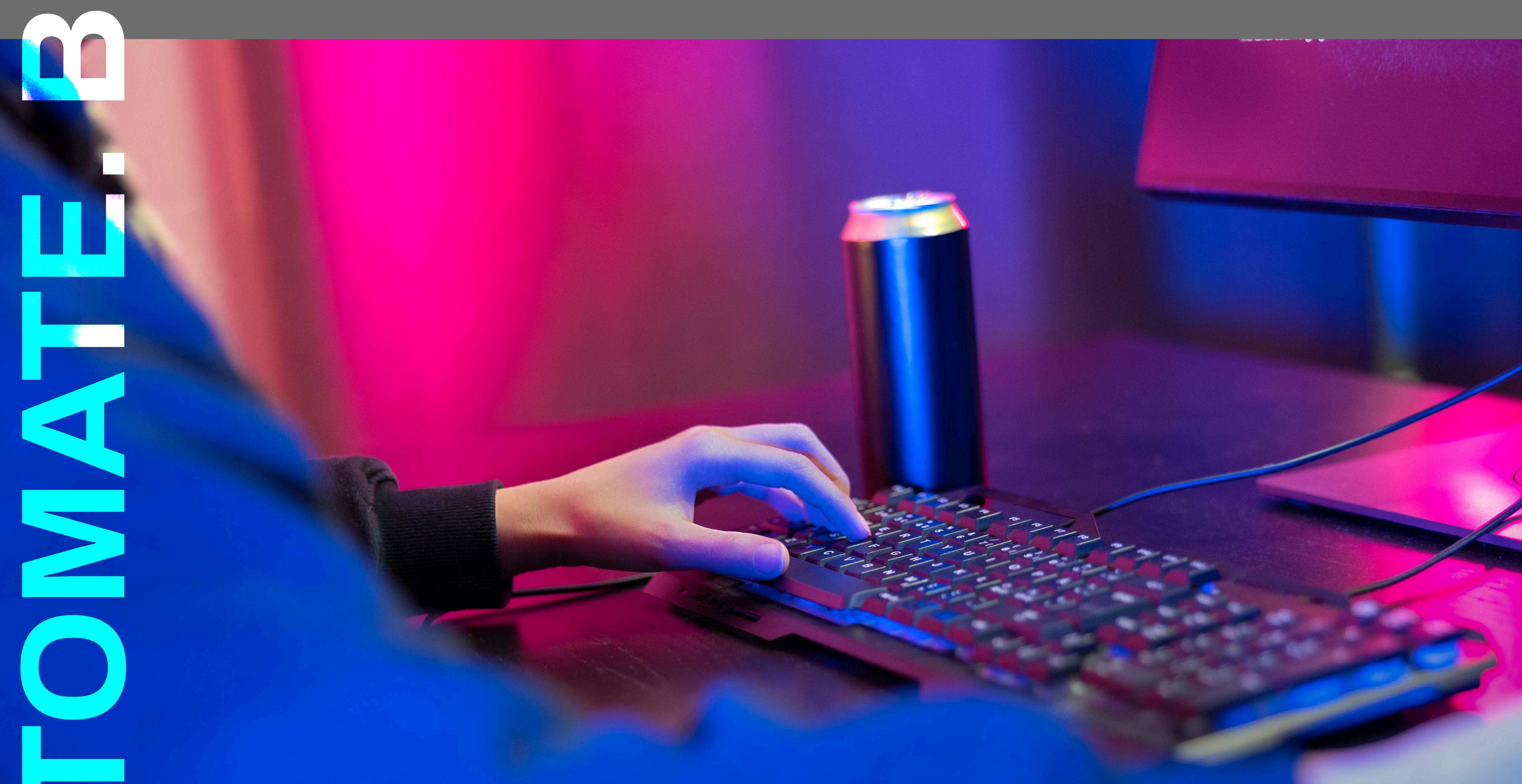
AUTOMATE. BUILD. DEPLOY.



Innova  
TRAINING INSTITUTE

Advanced Program in **Applied  
Generative AI  
& Automation**

Learn Gen AI | Build Apps With Vibe Coding | Automate Workflows



*“Dubai’s Innova & The Rise Of Ai-Education”*  
Featured on **OUTLOOK BUSINESS**

THINK BEYOND. STAY AHEAD.

# Automate, Build, and Deploy with **Generative AI** and **Vibe** **Coding**

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This intensive 3-month applied program introduces engineering students to Generative AI, intelligent agents, and automation-led application development, focusing on how modern AI tools are used to build real, deployable software solutions.



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# Learn to build intelligent AI systems, automated workflows, and deployable applications

This program takes learners beyond foundational AI concepts and into applied system building. Students learn how Generative AI is used to design intelligent agents, orchestrate multi-step automated workflows, and connect AI logic with real-world applications. The emphasis is on understanding how individual AI components function together within complete systems.

Through hands-on labs, guided builds, and structured integration exercises, learners gain practical experience assembling end-to-end AI-powered solutions. By the end of the program, students are capable of designing and delivering deployable applications that combine reasoning, automation, and user-facing interfaces aligned with current industry use cases.

## Design Intelligent AI Systems and Automated Workflows

Learn to create intelligent agents, orchestrate multi-step automations, and connect AI logic to real-world processes using modern AI platforms.

## Build, Integrate, and Deploy AI Applications

Develop complete AI-powered applications by integrating agents, automation workflows, and user interfaces into deployable, production-ready solutions.

# Key Highlights

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## Duration

3-month (36 hrs) applied program with structured labs and projects

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## Course Level

Ideal for undergraduate and postgraduate engineering students

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## Format

Hands-on learning with real-world AI development workflows

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## Outcome

Deployed AI application using agents, automation, and full-stack UI

# Generative AI Foundations & Prompt Engineering

The first phase introduces learners to the fundamentals of Generative AI and large language models. Students understand how modern AI systems work, how prompts influence outputs, and how APIs are used to integrate AI into applications. This phase builds the conceptual and practical foundation required for advanced AI workflows.

## Topics Covered

- Introduction to Large Language Models
- Prompt Engineering Principles
- API-based AI Workflows
- AI Safety, Limitations, and Best Practices

## Tools & Tech Covered

- API
- Prompt Design Frameworks

# Building Intelligent Agents and Automated Workflows

The first phase introduces learners to the fundamentals of Generative AI and large language models. Students understand how modern AI systems work, how prompts influence outputs, and how APIs are used to integrate AI into applications. This phase builds the conceptual and practical foundation required for advanced AI workflows.

## Topics Covered

- Designing OpenAI Agents
- Agent Logic, Memory, and Task Execution
- Workflow Automation Concepts
- Multi-step Process Automation

## Tools & Tech Covered

- AGENTS
-

# AI-Driven Application Development with Vibe Coding

In this phase, learners focus on building full-stack applications using AI-assisted development environments. Students generate frontends, integrate backend logic, and connect AI agents and automations into complete, usable applications without traditional development complexity.

## Topics Covered

- AI-assisted Full-Stack Development
- Rapid UI Generation
- Backend Logic Integration
- Connecting Agents and Automations to Interfaces

## Tools & Tech Covered

- **Lovable**
- 
- API Integration Workflows

# Integration, Testing, and Deployment of AI Systems

This phase brings all components together. Learners integrate agents, automation workflows, and user interfaces into cohesive systems. Emphasis is placed on testing, optimization, and preparing applications for real-world deployment and portfolio presentation.

## Topics Covered

- System Integration of AI Components
- Workflow Testing and Debugging
- Deployment Readiness
- Optimization for Real-world Use

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## Tools & Tech Covered

- API
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# Build a Production-Ready AI Application

In the final stage, learners apply everything they have learned to design and build a complete AI-powered application. The project reflects real-world industry requirements and demonstrates the learner's ability to architect intelligent, automation-driven systems.

## Minor Project

Build a functional AI workflow combining an intelligent agent and automation

## Major Capstone Project

Design, build, and deploy a full AI-powered application integrating agents, automation, and a user interface

# Your Applied GenAI Portfolio Showcase

Create a real, deployable AI solution that demonstrates applied Generative AI skills.

The final project serves as a professional portfolio asset, showcasing the ability to design intelligent workflows, automate processes, and deliver complete AI-driven applications suitable for industry roles.

This capstone validates readiness for advanced AI engineering, automation development, and GenAI product roles.

**Apply your skills to create a real, deployable AI application powered by intelligent agents and automation.**

# Driving Careers Through Industry-Focused Learning

Innova Training Institute is a KHDA-approved vocational institute based in Dubai Knowledge Park. Backed by global affiliations, it delivers career-focused programs that blend academic rigor with practical skill-building.

With guaranteed internships, small-batch mentorship, and real-world projects, Innova helps learners transition confidently into the workforce. Each course is designed to ensure relevance, industry integration, and job-readiness from day one.

## Dual Qualification

Academic degrees with industry-recognized certification

## Global Recognition

Endorsed by Pearson, IOA, Qualifi, and Accredited by KHDA

## Mentorship Model

1:3 expert ratio with personalized guidance

## Career Integration

Projects, internships, and startup simulation embedded

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**Empowering students with AI-driven skills, experiential learning, and global industry-ready expertise.**

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Featured In AI & Tech January 2026 Edition Of

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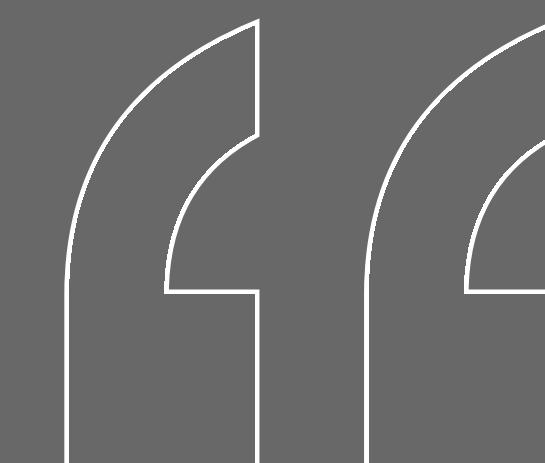
Learn in a world-class academic environment with modern infrastructure, collaborative spaces, and easy access to essential student amenities.

### **Dubai Knowledge Park Learning Hub**

Study in Dubai's premier education district, home to cutting-edge classrooms, collaborative lounges, and a dynamic student community. Located in a hub of academic and corporate activity, the campus encourages innovation, peer interaction, and career-focused learning in an inspiring, multicultural environment.

### **Accessible, Connected, Student-Friendly Facilities**

Enjoy seamless access to public transport, cafés, business centers, and well-equipped learning zones. From quiet study areas to interactive lounges, every facility is designed to support comfort, focus, and collaboration, creating the ideal atmosphere for productive and enriching learning experiences.



**At Innova, we believe in nurturing talent through immersive learning experiences, real-world projects, and a future-ready academic environment.**



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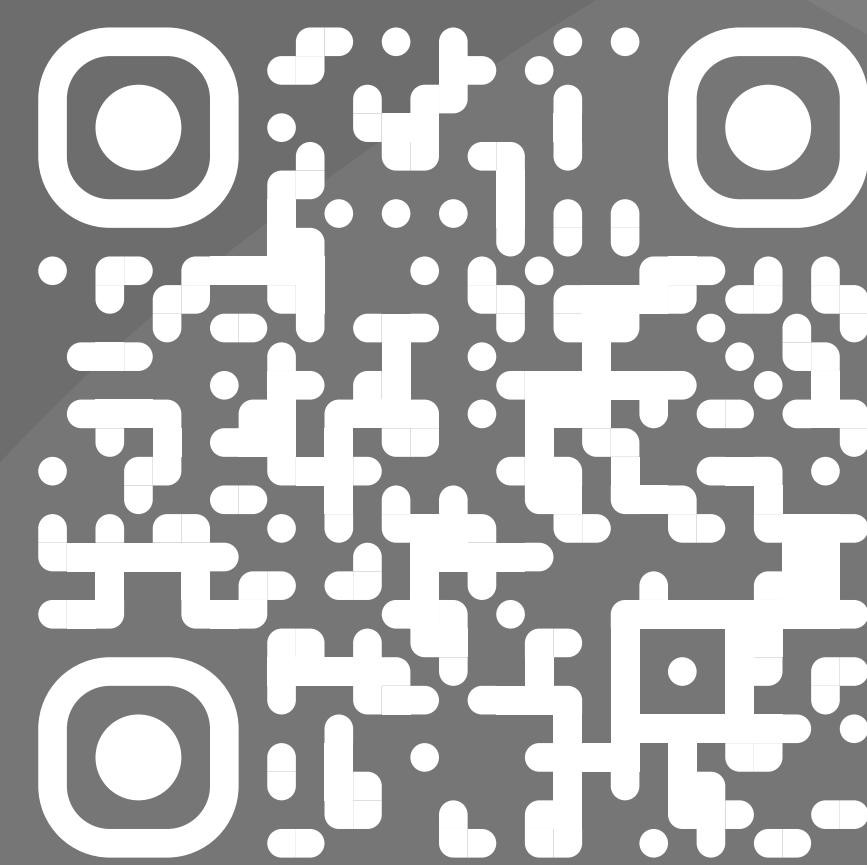
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