

# Advanced Certificate in AI-Enhanced Education (ACAIE)

Accredited by **Baqai Medical University**, provided by **CorTeach**.



Baqai Medical University



CORTEACH

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# About Baqai Medical University



Within certain souls lies a fervent desire to uplift their surroundings.

Dr. F.U. Baqai and Dr. Zahida Baqai epitomize this ethos, driven by their profound commitment to healthcare and societal betterment. In the late sixties, they embarked on a journey, choosing medicine as their medium to serve humanity. With grace and determination, they established a private hospital complex in Nazimabad, marking the inception of a legacy. Today, their noble endeavor continues to inspire, shaping the future of healthcare and social service.

## **i** About the programme

This course empowers educators to use advanced AI tools and functions to augment their teaching practices.

In this advanced course, we move past the "chatbot" phase and into Vibe Coding and Retrieval-Augmented Generation (RAG), which allows you to ground AI in your own unique curriculum. Over 12 weeks, you will learn to orchestrate a suite of advanced tools and functions to automate administrative burdens, design immersive learning resources, and deploy data-driven student tracking systems. Every concept is applied in live, interactive synchronous sessions to ensure transferability to your teaching practice.

## **?** Who is the programme aimed at?

This programme is specifically designed for Higher Education Faculty, Researchers, and Academic Leaders who have already integrated basic AI into their workflows and are ready to move to an advanced level of mastery. It provides an opportunity to expand their knowledge and advance their expertise to an expert level.

## **?** How will this programme be delivered?

This part-time interactive programme will be provided through a delivery model which blends self-directed learning with tutor-led team based learning. Throughout the course, students will engage in:

- Fortnightly online synchronous tutorials
- Stimulating weekly activities
- Tutor-moderated discussion forums
- Reflective exercises
- Practical application of teaching and learning in their clinical or academic environment

- Three Credit Hour Course
- Level 7 (Masters Level)
- Course Certificate and Transcript provided

## **i** Graduates of this programme will:

- Use "Vibe Coding" to build and deploy functional mini-apps and simulations tailored to their specific subject matter.
- Build RAG-enabled AI assistants that provide students with accurate information cited directly from course-specific textbooks and research.
- Implement "AI-resistant" assessment strategies and use automated systems to provide high-quality, personalized feedback to students at scale.
- Set up and maintain a functional Student Progress Dashboard to identify learning gaps and automatically generate remedial content.



## ? What will you study?

Module	Learning Objectives
<b>Vibe Coding and Knowledge Systems</b>	<ul style="list-style-type: none"><li>• Construct functional web-based educational tools (simulators, calculators, or logic games) using natural language via "Vibe Coding" interfaces.</li><li>• Evaluate the effectiveness of Retrieval-Augmented Generation (RAG) in reducing AI hallucinations compared to general-purpose prompting.</li><li>• Implement a grounded AI knowledge base by securely uploading and indexing course-specific documents (PDFs, syllabi, research papers).</li><li>• Troubleshoot "logic loops" in AI-generated code by refining natural language instructions through iterative feedback.</li></ul>
<b>Multi-Platform Resource Design</b>	<ul style="list-style-type: none"><li>• Synthesize multi-modal resources by converting static text-based lesson plans into interactive presentations, infographics, and audio overviews.</li><li>• Orchestrate a cross-platform workflow, selecting the specific strengths of Claude (logic/coding), Gemini (data/context), and Teachy AI (pedagogical structure) for a single project.</li></ul>
<b>AI-Driven Assessment and Tracking</b>	<ul style="list-style-type: none"><li>• Develop "AI-Resistant" and "AI-Integrated" assessment frameworks that prioritize student process and critical thinking over final output.</li><li>• Analyze student performance trends using AI-integrated data dashboards to identify at-risk learners and engagement gaps.</li><li>• Create personalized remedial feedback loops that automatically trigger targeted micro-learning content based on specific student performance data.</li></ul>

### **Course Plan:**

- Postgraduate Certificate for **3 months**
- **Two sessions** planned every month on alternative Sundays
- Timings are 09:00 - 11:00 am (GMT +5)

### **Programme Entry Requirements:**

#### **Applicants must:**

- Have completed their undergraduate education.
- Is involved with higher education or is an educator.
- Have basic knowledge of using AI.



### **Program Costs**

**Pakistan:** PKR. 50,000/-  
**International:** USD 200/-



Register your interest at  
[www.corteach.com/](http://www.corteach.com/)

## Who is CorTeach?

CorTeach is a leading education solutions provider, committed to innovation in teaching and learning. We offer online and blended courses, customized course development, AI chatbot, faculty training, and cutting-edge Learning Management System (LMS) solutions to transform educational experiences.

Our advisory services help institutions implement strategic, tech-driven advancements in education, ensuring impactful and future-ready learning environments.

Whether you're seeking to enhance professional development, optimize course delivery, or integrate innovative learning technologies, CorTeach empowers educators and organizations with tailored, forward-thinking solutions that redefine the future of education.

Visit us at [www.corteach.com](http://www.corteach.com)

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The future of artificial intelligence is not about man versus machine, but rather man with machine. Together, we can achieve unimaginable heights of innovation and progress.

**Fei-Fei Li**

Computer scientist and Co-director  
Stanford Institute for Human-centered AI

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Artificial intelligence is not just about efficiency gains, it's about opening up new possibilities, unlocking human potential and solving some of society's biggest challenges.

**Yoshua Bengio**

Computer scientist and  
Turing Award Laureate

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## Interested?



Get in contact today at  
[support@corteach.com](mailto:support@corteach.com)  
or visit  
[www.corteach.com](http://www.corteach.com)



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