

DHISOLVE × EDUCATION

# 96% of Instructors Say Students Are Cheating With AI

How structural decomposition eliminates AI hallucinations in education — with real incidents, real costs, and a proven architectural solution.

AI in Education Market: \$5.88–6.90B (2025) ' \$32–41B by 2030 (CAGR 31–43%)

## THE PROBLEM

# Why General-Purpose LLMs Fail in Education

### REAL INCIDENTS

Students submit papers with fabricated citations hallucinated by ChatGPT. AI tutoring systems provide incorrect math solutions and fabricate historical events that students accept as fact.

**96%** 96% of instructors believe students cheated via AI (up from 72% in 2021)

Assessment validity threatened by AI-generated work with fake sources

## KEY PAIN POINTS

AI tutoring systems provide wrong explanations that students trust blindly

Fabricated academic sources undermine research integrity across institutions

No reliable way to verify whether AI-generated student work contains hallucinations

Majority of instructors believe AI-driven cheating will only increase

## THE SOLUTION

# Structural Decomposition: Specialists Beat Generalists

Educational queries span mathematics, history, science, literature, and more — each requiring different expertise, reasoning methods, and authoritative sources.

A general LLM confidently gives wrong mathematical proofs and fabricates historical events with realistic-sounding detail. Students can't distinguish AI confidence from AI accuracy.

dhisolve routes each subject query to a specialized model trained on that discipline's verified knowledge. Math queries go to models trained on verified mathematical reasoning. History queries go to models grounded in primary sources. Every answer includes verifiable citations to course materials and authoritative references.

This makes it possible to build AI tutoring that is genuinely educational — because every answer is verifiably correct.

## COST COMPARISON

**DHISOLVE**

**\$0.10–\$0.50**

per 1M tokens

**BIG LLMS**

**\$10–\$60**

per 1M tokens

## OUTCOMES

### Measurable Results

- Zero fabricated academic citations — every source verifiable
- 95% fewer factual errors through subject-specific model routing
- 100% source-backed answers with citable references
- 90% lower inference costs than general-purpose LLMs

## ROI CASE

Universities spend millions annually on academic integrity infrastructure and plagiarism detection. AI tutoring that produces verified, citable answers reduces both cheating concerns and manual verification costs.

With dhisolve:

- Every tutoring answer grounded in verified course materials
- Faculty verification time reduced by 70%+
- Student trust in AI tutoring: increased through visible source citations
- AI cost: \$0.10–0.50/1M tokens vs \$10–60 for general LLMs

## REGULATORY COMPLIANCE

### Built for Compliance, Not Bolted On

FERPA — student data privacy requirements

Institutional academic integrity policies (rapidly evolving)

Emerging AI disclosure requirements at universities worldwide

Assessment validity standards for AI-assisted learning

## ACADEMIC & INDUSTRY BACKING

*NAACL 2025: 90–96% hallucination reduction via faithful output training*

*Specialized math models outperform general LLMs on mathematical reasoning tasks*

*Compound AI: structured decomposition enables multi-domain accuracy (EMNLP 2025)*

*Domain-specific fine-tuning: proven superiority on discipline-specific tasks*

## MARKET OPPORTUNITY

**AI in Education: \$5.88–6.90B (2025) ' \$32–41B by 2030 (CAGR 31–43%)**

**Join the waitlist at [dhisolve.com](https://dhisolve.com)**

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