Stratecs
AI-Powered DI Governance

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AI in Education

Case Study 3: AI Powered Curriculum Modernization Across Pharmacy & Chemistry Programs

Client Profile

A multidisciplinary university aiming to modernize both Pharmacy and Chemistry programs to reflect Industry 4.0, AI adoption, and evolving employer expectations.

Challenge

- Static curricula unable to adapt quickly to industry change

- Faculty burden in continually updating course materials

- Growing gap between academic learning outcomes and employer expectations

AI Enabled Solution (STRATECS Approach)

- Automated curriculum benchmarking against global top universities and industry skill frameworks

- AI assisted content refresh aligned with current pharmaceutical, chemical, and regulatory developments

- Modular micro credentials in AI applications for drug discovery, regulatory sciences, analytical chemistry, and quality systems

- Continuous feedback loops using student performance analytics and employer input

Outcomes

- Faster curriculum refresh cycles (weeks instead of years)

- Increased student enrollment due to industry relevance

- Stronger engagement from pharmaceutical and chemical companies in guest lectures and projects

- Faculty empowered with AI as a teaching assistant, not a replacement

Strategic Impact

The university established itself as a regional leader in AI enabled science education, attracting industry partnerships and global academic collaborations.