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AI-Powered DI Governance

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AI in Education

Case Study 1: AI Augmented Pharmacy Curriculum for Industry Ready Graduates

Client Profile

A leading School of Pharmacy seeking to modernize its undergraduate and postgraduate curriculum to align with current pharmaceutical industry practices, regulatory expectations, and digital transformation trends.

Challenge

Graduates demonstrated strong theoretical knowledge but lacked industry ready capabilities in areas such as:

- Regulatory thinking and compliance mindset

- Data driven decision making

- Exposure to real world pharmaceutical workflows (R&D, quality, regulatory)

- Application of AI and digital tools increasingly used in pharma organizations

AI Enabled Solution (STRATECS Approach)

STRATECS partnered with faculty to embed AI driven learning layers into existing pharmacy modules without disrupting accreditation requirements. Key interventions included:

- AI curated learning pathways: Automated alignment of syllabus topics with current industry trends, FDA/EMA guidance updates, and real world case studies

- Regulatory intelligence simulators: AI assisted mock scenarios covering FDA inspections, CAPA decision making, dossier reviews, and risk based assessments

- Adaptive assessments: AI generated case based questions tailored to each student's competence level

- Virtual industry mentors: Conversational AI trained on real pharmaceutical workflows, regulatory expectations, and professional decision frameworks

Outcomes

- 30–40% improvement in student performance on applied case based evaluations

- Noticeable increase in industry ready vocabulary and regulatory thinking among graduates

- Strong positive feedback from recruiters citing improved job readiness

- Accelerated faculty adoption of digital teaching methods without redeveloping the entire curriculum

Strategic Impact

The institution positioned itself as a forward looking pharmacy school producing graduates who are prepared for modern pharmaceutical roles, not just academic examinations.