



Use case

Enhancing student learning with generative AI

Providing smart contextual support when and where it's needed

Students rely on textbooks but often have to purchase them even when free alternatives are available. For higher education institutions, learning tools must be secure and aligned with university objectives. Unisys Student Companion provides a 24/7 generative AI tool leveraging Open Educational Resources (OER) textbooks for a more personalized learning experience. Students gain access to trusted academic resources in math, computer science, chemistry, psychology and government/political science.

Scenario

Industry: Higher education

Institution size: Varied

Challenges: Reduce higher education costs with trusted academic textbooks in a secure AI environment

Universities and colleges balance academic innovation and the rigor of teaching and learning with increasing costs and demand for AI adoption. Providing a state-of-the-art generative AI learning application and equitable access to free textbooks supports academic learning and decreases higher education costs. Faculty gain a trusted source of focused academic content to answer student questions at any time, in any place and regardless of complexity, reducing common recurring questions on academic topics.

How Unisys delivers value

Student Companion provides a multilingual, multimodal generative AI interface to access OER textbooks securely. Students get answers on assigned curriculum when instructors aren't available:

- **AI technology framework:** Unisys Intelligence Accelerator rapidly configures, trains and deploys scalable generative AI-driven applications leveraging trusted OER textbooks.
- **Personalized user experience:** Users engage with AI trained on OER textbooks for learning support, virtual teaching assistance, language translation and research assistance tailored to unique needs and learning preferences.
- **Responsible AI use:** Built-in guardrails, human-in-the-loop features and multimodal capabilities ensure students use the tool responsibly with built-in AI compliance officer features and analytics for faculty.
- **Responsive user interface:** Through a web interface, students access focused knowledge from textbooks in one of five academic disciplines, preventing the inclusion of external Internet content that could distort accuracy or render hallucinations.
- **24/7 support:** Round-the-clock access and assistance through a modern SaaS cloud environment delivers uninterrupted service.

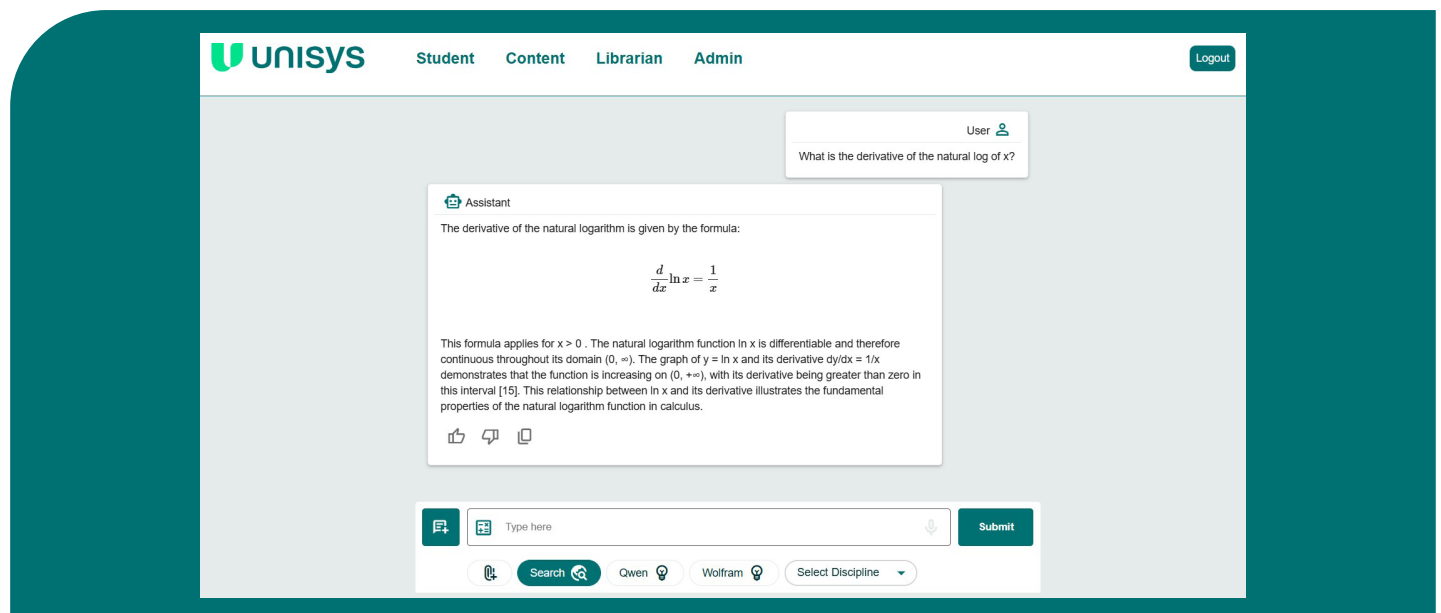
ROI potential

Student Companion can enhance the higher education experience:

- Enhanced academic progress that helps institutions attract, retain and graduate more students
- Increased digital equity by enabling all students to engage in academic conversations in virtually any language, anywhere and anytime
- Decreased financial burden by offering access to free OER textbooks
- Saved time for faculty with an automated, ubiquitous way to answer student questions using trusted academic content
- Scalability across academic disciplines

On-demand responses to questions enable students to get answers themselves rather than taking up instructor support hours or not asking because they're intimidated.

To learn more about how Unisys can improve student and faculty experiences, [visit our website](#) or [contact us](#).



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