

RISEBA creates an environment and infrastructure for the development of innovation

AI LAB – a development environment for artificial intelligence and digital innovation

RISEBA has established a modern AI LAB co-working space, which provides students, lecturers and researchers with a technologically advanced environment for carrying out scientific, creative and academic work. The AI LAB provides professional access to artificial intelligence solutions, computing power for local data processing, as well as access to more than ten leading scientific journal collections and real-market information databases, including Euromonitor and Statista, offering expanded opportunities for the development of scientific and creative work. The laboratory thus creates a unified technological environment for knowledge creation, research, the development of teaching content and creative work.

AI LAB complements the digital infrastructure with tools for creating audiovisual content, enabling lecturers to develop modern and interactive teaching approaches by integrating artificial intelligence solutions into the teaching and research process. The establishment of the laboratory strengthens RISEBA's ability to test and implement new technologies in education and research in practice.

Technological and functional characteristics of the AI LAB

The AI LAB is one of the relatively few laboratories of its kind at Latvian higher education institutions; there are three other institutions known to have established similar infrastructure. RISEBA's AI LAB stands out for its distinct focus on artificial intelligence in education, its high-calibre technical equipment and its specialised suite of digital tools.

- A focus on artificial intelligence in education, including the development and personalisation of learning content using AI tools.
- High-end technical equipment, including external GPUs and a multimedia subsystem.
- A suite of specialised and unique tools, including high-level annotation and multimedia capabilities, as well as in-house developed AI-based personality profiling tools.

Use in studies, research and innovation projects

The AI LAB infrastructure is available both for individual scientific and creative work and for the implementation of various projects. Currently, the laboratory is being used to develop distance-learning courses as part of a pilot project, as well as for the implementation of external projects.

- FORCE AI – a micro-credential programme has been developed to train students in the profession of AI manager at higher education institutions.
- AI-DCG – real-time algorithms are being developed to recommend educational programmes and mentors to young people in Ukraine and Moldova.
- Commissioned by VARAM – digital skills mentor training programmes have been developed, and a national-level digital skills monitoring initiative has been implemented, currently involving 26,000 respondents.
- Creative projects, including an interactive psychological comic book project for young adults and other digital creative solutions.

Technological equipment and accessibility

The AI LAB is equipped with two workstations, each fitted with powerful, latest-generation Copilot+ AI computers. The laboratory has discrete GPUs (external graphics cards) available for local use and development of large language models (LLMs). Professional multimedia equipment is available for digital innovation and creative work, including a DAC (digital audio) interface, video cameras, video recording facilities, a graphics tablet and an interactive whiteboard.

The AI LAB is accessible 24/7; users can book working hours online and receive an access key. This access model provides flexible working conditions for students, lecturers and researchers, and encourages the use of technology beyond the traditional study process.

Future development

To expand the opportunities offered by the AI LAB and promote its use across the wider RISEBA community, plans are in place to organise training sessions for users and gradually expand the user base. At the same time, there are plans to introduce new digital and artificial intelligence tools, thereby continuing to develop the AI LAB as an environment for testing technologies, generating innovation and facilitating the practical transfer of knowledge.

Summary

AI LAB is a key component of RISEBA's digital infrastructure, bringing together artificial intelligence technologies, computing resources, digital research, the development of teaching content and creative work within a unified innovation environment. The laboratory's technological facilities, accessibility, and use in studies, research, and project implementation demonstrate RISEBA's ability to create the practical conditions for the development, testing, and implementation of new digital solutions.

Publicly available information about the AI LAB and its capabilities can be found on the RISEBA website under the section [‘AI Lab – RISEBA.ENG’](#).