

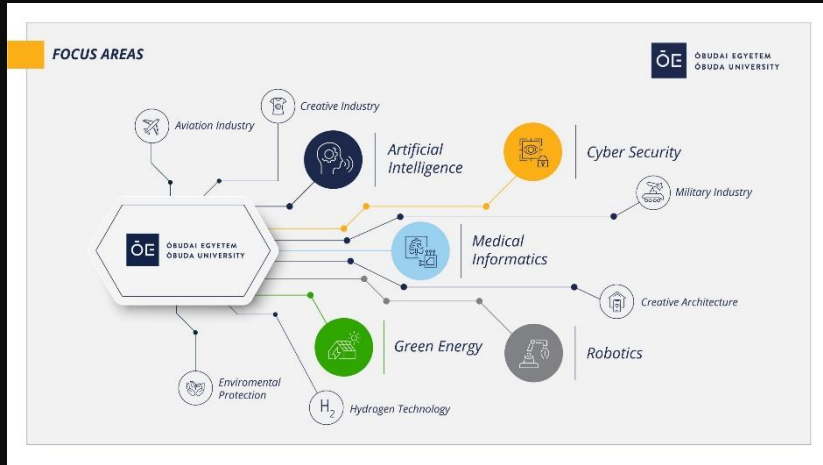
From Studies to Research, Higher Education AI-Cloud Practice in Hungary

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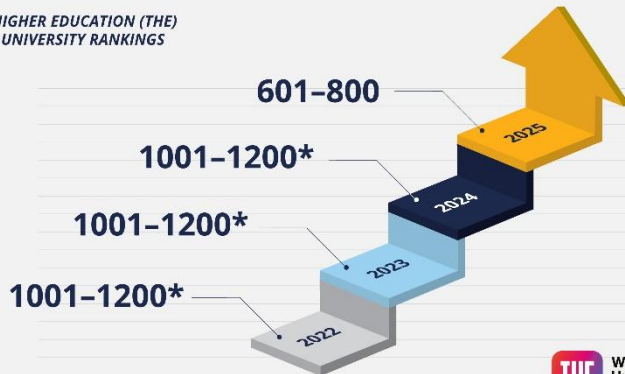
Industry position

- Hungary's prestigious and most practice oriented and highest ranked technical university;
- ≈ 14.000 students,
≈ 1400 employees,
≈ 750 academic staff;
- Every 3rd engineer graduate from OU, 94% employability in less then 1 month



Ranking position

**TIMES HIGHER EDUCATION (THE)
WORLD UNIVERSITY RANKINGS**

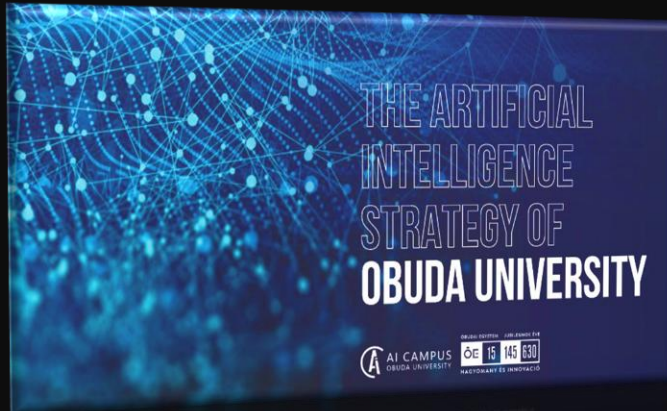


**The methodology of the 2022 and 2023 cycles differs from that of the 2024 and 2025 cycles*



World
University
Rankings 2025

AI Strategy



Vision for Cloud and AI

Embedding AI into research and education, positioning AI-driven innovation at the core of scientific mission. This can be done by using cloud technology.

Creative Adaptation - navigating irreversible and accelerating technological change while upholding academic integrity

Strategic Pillars:

- Cloud native – AI native
- AI integration in teaching and curriculum
- Research acceleration with AI tools
- Boosting digital and AI competencies across all roles
- Enhancing infrastructure and tool access
- Fostering international collaborations and improving global ranking

Technology Innovation

Access to the open-source models supports experimentation with LLMs and visual AI.
Centralized, user friendly solution.

Research Acceleration Parallel development of AI models supports innovation across disciplines.

Main benefits:

- Rich LLM open source model catalogue;
- Easy to switch between models;
- Good support in VPN-based access of the platform;
- Developer friendly easy to integrate APIs;

Business Pursuits

Cost Efficiency Transition from Capex to Opex reduces investment making advanced AI infrastructure more accessible.

Experiences:

- at least 10 times cheaper to implement and use in this way;
- several features available via user friendly and maintained UIs;
- dynamic scaling of capacities within the cloud interfaces is possible -> no expensive licensing fees, it is included;
- good user support from Huawei makes operation simple and cheap.

Business Outcomes

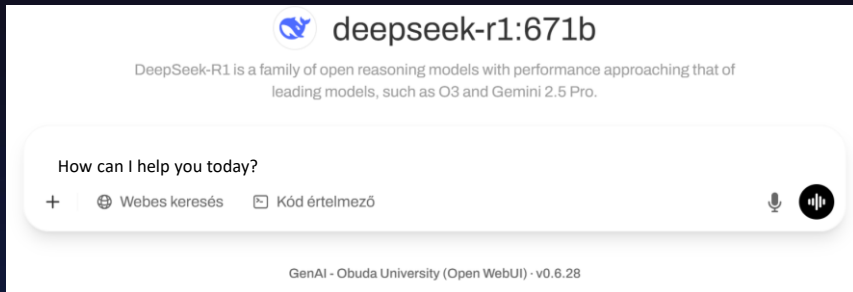
Plan to support AI research for 14,000 students and 1,000 staff.

Key insights:

- Centralized platform development: easy to operate;
- Developer experiences are good;
- Platform introduction will be done in November, 2025;

Solution Design

Self-developed chatbot platform integrated with Huawei ModelArts, supporting seamless deployment of models like DeepSeek to offer campus-wide Q&A and AI research services.



Future Outlook

Planning to adopt Huawei's Versatile AI Agent platform for orchestrating diverse applications in the future.

Short term plans in a cooperation with Huawei:

- Develop a pipeline to make the testing of new LLMs easier and user friendly;
- Testing of experimental tools of Huawei, like SINQ: Sinkhorn-Normalized Quantization for Calibration-Free Low-Precision LLMs;
- Creating new intelligent function on Campus powered by Huawei;

Long term plans:

- keeping and integrating the service layer to support AI related use-cases and applications.

Obuda University Intelligent Education Campus Showcase

Content:

- Smart Classroom,
- ICT Talent Training Lab,
- Lecture Room,
- ICT Innovation Hall,
- Customer Reception Center



Smart Classroom



Lecture Room



ICT Talent Lab



ICT Innovation Hall

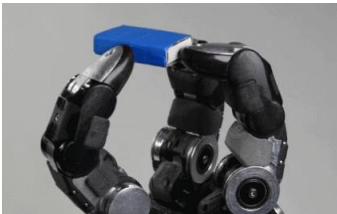


Customer Reception Center

Most recent research equipments



Shadow Robotics DEX-EE
hand



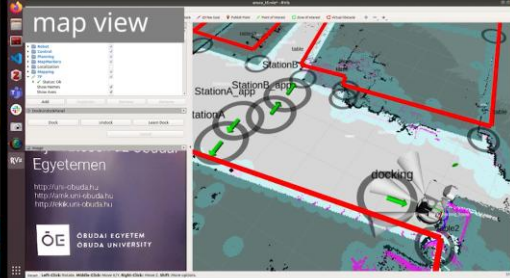
Franka Research 3



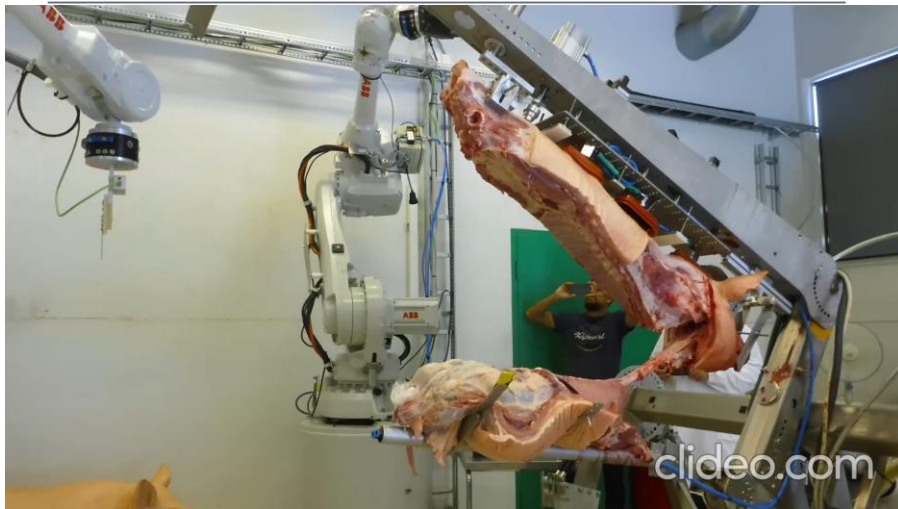
OMRON LD90 + TM5s KIT



OMRON LD90 + TM5s KIT









**World
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Rankings**
2025 TOP 800



Thank you!

