

INNOEDUHACK 2025

 **It's November 14th, 9:00 AM CET.**

You now have 24 hours to develop your solution for the future of education.
You can work **individually** or in teams of **up to 5 people**.

- 👉 Each team member must register separately - [LINK](#)
- 👉 Only one person per team needs to upload the final project.
- 💡 15 prizes of **300 EUR** each will be awarded **per project**, not per person.
- 🕒 Deadline: **November 15th, 9:00 AM CET.**

Please submit a one-page solution (this page + one page for your solution).

TEAM INFORMATION:

Team name: _____

NO.	NAME & SURNAME	UNIVERSITY If ALK student, include the year of studies, the name of the program and Student ID Number
1	Julien El Achcar	54569 - 2025/2027 - Double Degree Student from Kedge Business school
2		
3		
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!! Meta-Category is: **Digital Transformation & AI** – all ideas should address changes driven by digitalisation and new technologies, especially AI.

Select Your Category (choose one):

- ☐ Assessment & Grading – new models for evaluating student performance
- ☐ **Teacher Support – tools helping educators deliver engaging classes**
- ☐ Student Support – solutions that improve the learning experience

Recommended Solution Template:

- 1. Problem Statement:** One-sentence definition of the problem (the essence).
- 2. AS IS:** Current Situation: Describe the context with data and pain points. Why is solving this problem essential?
- 3. Game Plan:** Your Solution: How do you get there? What's your approach or process?
- 4. Technology (optional):** You don't need to code it! But a mockup or simple sketch of functionalities increases your chances.
- 5. Vision of Success:** How will the user experience change? How will you measure success (KPIs, outcomes)?

Evaluation Criteria

- ✅ Creativity – originality and novelty of the idea
- ✅ Feasibility – practicality and potential for implementation

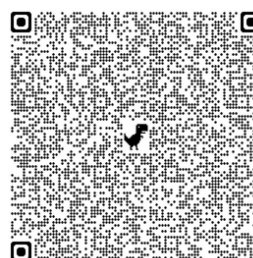
Hackathon Support

💬 Microsoft Teams link:

Join the meeting now:

Meeting ID: 388 725 417 436 34

Passcode: JM9HW3tP



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1. Problem Statement (One Sentence)

Institutions lack real-time, data-informed insight into how students learn and whether cohorts are developing the skills required for academic success and employability.

2. AS-IS: Current Situation & Pain Points

Today, universities rely on end-of-semester exams, generic surveys, and outdated performance indicators that provide no timely visibility into how well students understand course material or how prepared they are for internships and job opportunities.

- Teachers lack structured, real-time feedback on student comprehension, making it difficult to intervene early.
- Institutions cannot detect cohort-wide skill gaps until it is too late to support students.
- Students receive little guidance on how their learning translates to employability or where they need to improve.
Deans only see high-level grades, not competency development, skill mastery, or readiness indicators that matter to employers.

As industries evolve quickly, this gap between academic performance and job-market expectations becomes a critical issue. Solving it is essential to ensure that institutions prepare students effectively, maintain competitive academic programs, and guide cohorts toward successful professional outcomes.

3. Game Plan: The Solution Approach

I built a unified platform that links learning, competency mastery, and employability insights across the entire semester.

Step 1 - Content Understanding

Teachers upload lecture materials; AI identifies topics and underlying competencies required in industry (analytical reasoning, interpretation, practical application, etc.).

Step 2 - Micro-Assessments per Section

For every key section, the system generates MCQs tied strictly to course content and mapped to specific skills.

Step 3 - Real-Time Student Inputs

Students answer short in-class questions via QR codes. Responses are anonymous and analyzed instantly.

Step 4 - Teacher Feedback Loop

Teachers see where students struggle, allowing quick clarification and better support.

Step 5 - Dean & Institution Dashboard (Employability-Focused)

The dean portal aggregates data at the cohort level:

- skill mastery patterns
- learning progression
- employability readiness indicators
comparison with industry benchmarks

This provides a human-centered, data-driven lens to guide students, improve curricula, and strengthen employability outcomes, without evaluating teachers individually - **everything using AI**

4. Technology / Functional Mockup

For teachers portal : visit <https://hackaton.a10x.eu/teacher/login>

For Deans Portal : visit <https://hackaton.a10x.eu/dean/login>

Please note that the software may experience occasional lag depending on your browser, enabled ad blockers, and other external factors. It relies on LocalStorage and IndexedDB to save time during development, as it was built in under 12 hours without a full database. Reloading the platform will erase all stored content due to this setup. Student answers may take time to appear in the Assessment page, but they are visible in the overall Analytics page (a browser-cache behavior related to LocalStorage). If you need assistance while navigating the platform, feel free to use the AI guide located in the top-left corner.

a10x.eu is the main domain of my company - and hackaton.a10x.eu is a subdomain used to release it on the web.

5. Vision of Success & Success Metrics (KPIs)

How the User Experience Changes

- Students receive better support, clearer explanations, and know which competencies they need to strengthen.
- Teachers understand comprehension levels instantly and adapt teaching in real time.
- Deans gain a transparent, student-centered overview of cohort progression and employability readiness—without focusing on teacher surveillance. Institutions align courses with industry expectations and continuously improve programs based on real data.

Success Will Be Measured By KPIs Like:

Student-Centric KPIs

- Increased comprehension rate per section/topic
- Reduction in persistent misconceptions
- Improved academic progression over the semester
Skill mastery mapped to employability need

Cohort & Institutional KPIs

- Cohort employability readiness score
- Alignment between course competencies and job-market expectations
- Early detection of cohort-wide skill gaps
Improvements in internship placement readiness

Platform Performance KPIs

- Percentage of teachers using real-time assessments
- Frequency of micro-assessment completion
- Longitudinal consistency of data insights

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