Integrating Dual Higher Education in Moldova and Ukraine

26-28.10.2021

Erasmus+ Programme 2014-2020 | KA2 – Cooperation for innovation and the exchange of good practices
Capacity Building in the field of Higher Education | Project No. 617490-EPP-1-2020-1-MD-EPPKA2-CBHE-SP

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Welcome address

Agnieszka Raczek, PhD
Deputy Dean for International Study Programs
WSB University

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Raben

your partner in logistics

Dual education in Logistics study program - the perspective of business partners and students

Aleksandra Stolecka, Wiktoria Pokorska i Wiktoria Mika – students of Logistics program, WSB University

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Practical education in the context of academic quality assurance system

Sabina Ratajczak, PhD
Director of Quality Assurance Centre
Deputy Rector for Development
WSB University

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Practical education in the context of academic quality assurance system

Sabina Ratajczak

Vice Rector for Development

Strategic vision and mission

Humans and their development are at the center of our activities. We create a multidimensional space for development

The mission of the University

We create a community focused on development. At the center of our activities are humans, for whom we want to provide unlimited space to achieve their own goals and ambitions. We are visionaries. As an open and innovative university, we are passionate about the challenges of the future. We generate useful knowledge, create trends and educate specialists who are able to meet these challenges.

Profiles of study programmes:

- Academic profile
- Practical profile

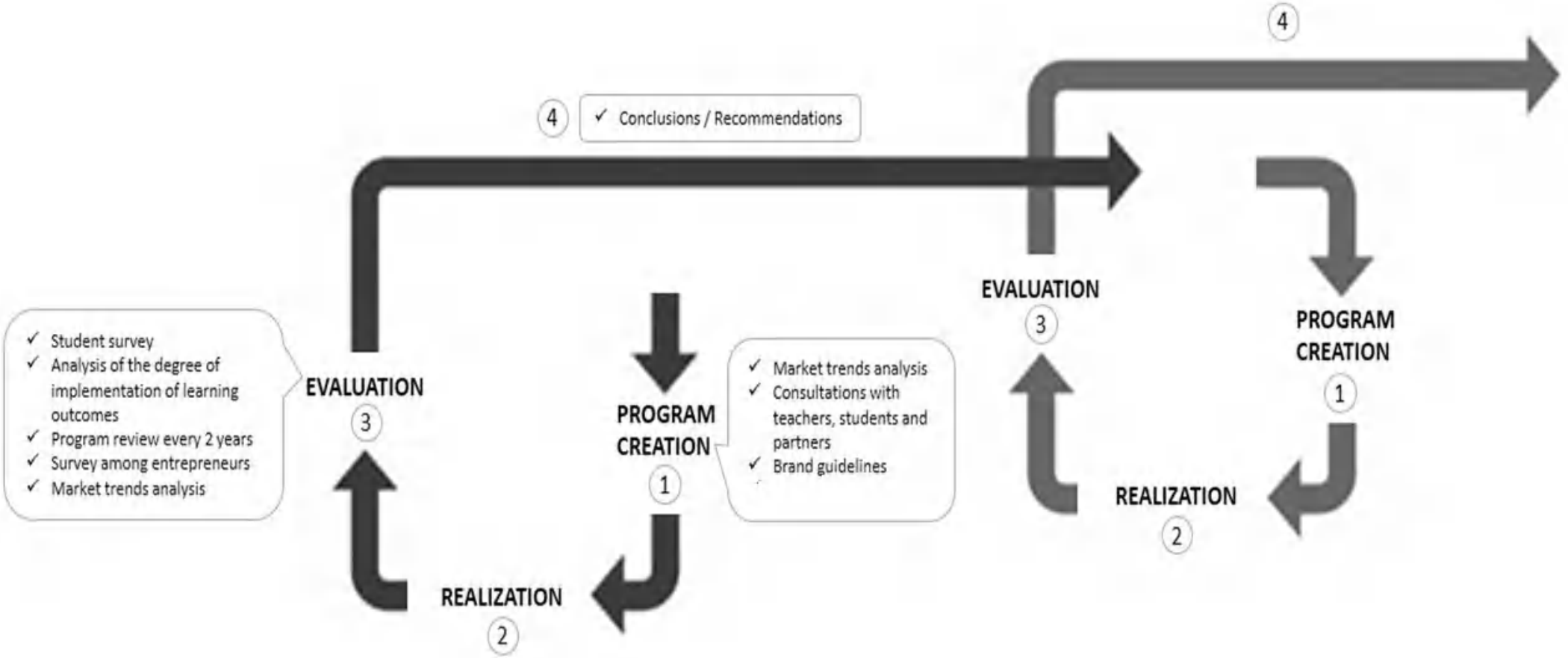
Practical character of each programme of study is entails:

- a concept built **on the needs of various stakeholder groups**,
- **a combination of** theoretical and specialized content that enables graduates to be equipped with practical skills that match the expectations of the labour market,
- **practical forms of education**: workshops, laboratories, study visits, projects, meetings with practitioners,
- A concept built **on the needs of various stakeholder groups**,
- an offer of **additional certified trainings** for improving interpersonal as well as professional skills
- Teachers – practitioners

The Council of Experts

Practical education is reflected through all stages of delivery of a study programme:

1. Creation
2. Implementation
3. Evaluation


4
4
✓ Conclusions / Recommendations
✓ Student survey
✓ Analysis of the degree of implementation of learning outcomes
✓ Program review every 2 years
✓ Survey among entrepreneurs
✓ Market trends analysis
EVALUATION
3
PROGRAM CREATION
1
✓ Market trends analysis
✓ Consultations with teachers, students and partners
✓ Brand guidelines
REALIZATION
2
EVALUATION
3
PROGRAM CREATION
1
REALIZATION
2

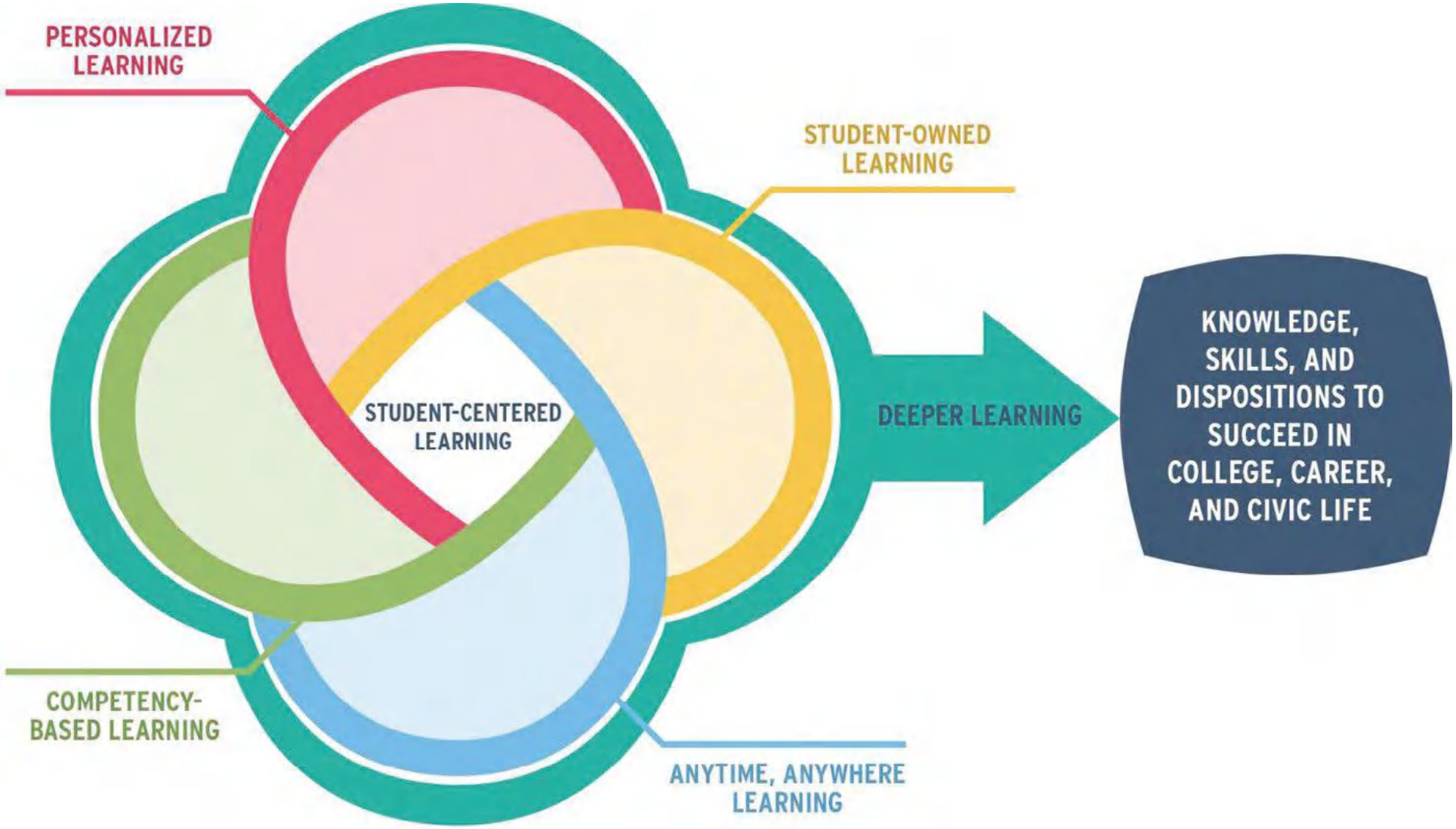
Programme creation

- Quantitative and qualitative surveys conducted among students and graduates,
- Feedback received from academic teachers,
- Information obtained from external partners, including representatives of the Council of Experts, teachers - practitioners,
- Market analyses, educational trends, reports related to the future professions

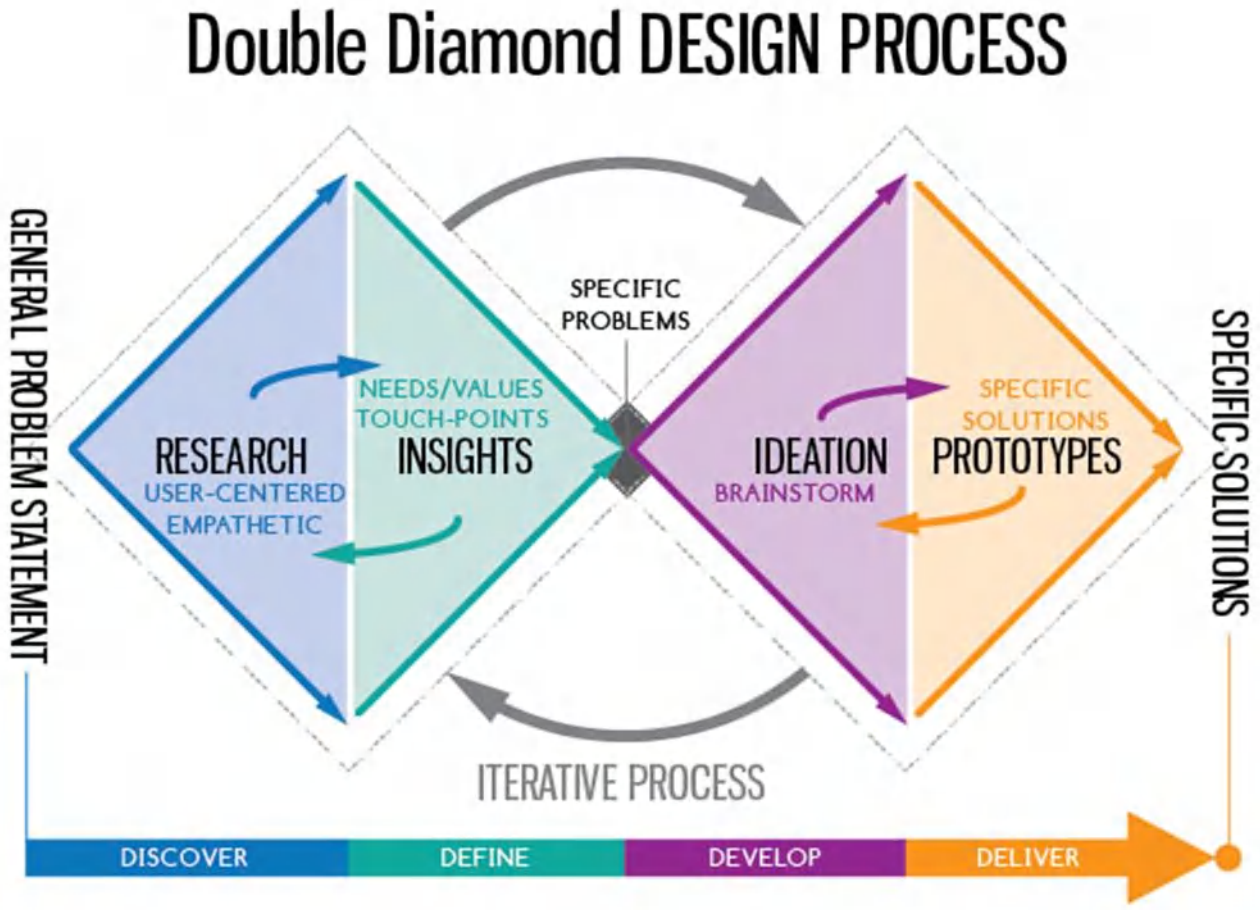
Implementation

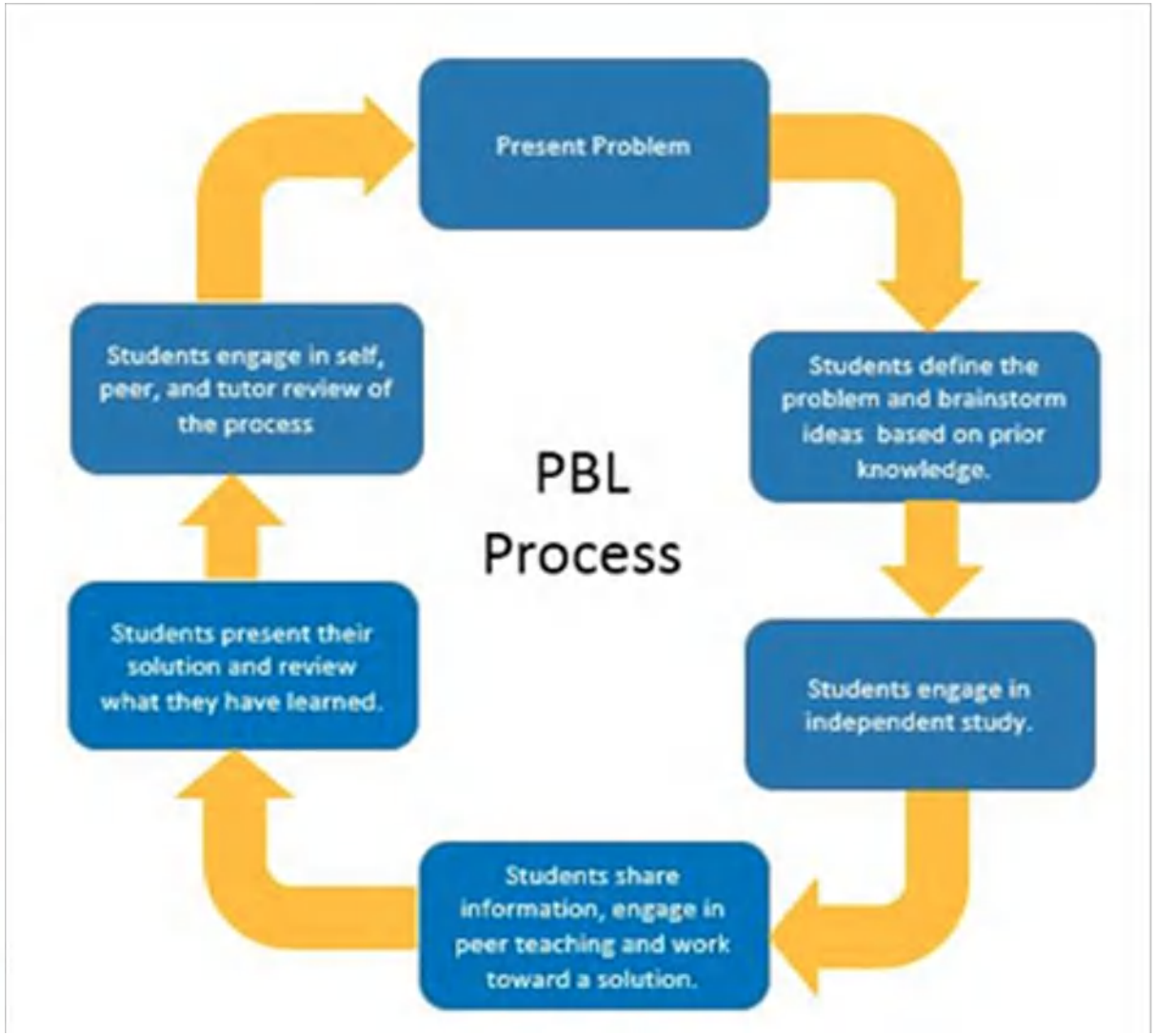
- Practical form of classes: workshops, projects,
- Apprenticeships (6 months)
- Teachers with practical backround (more than 60%)
- The programs include: study visits, meetings with practitioners
- Teaching methods strengthen the practical nature of studies (PBL, case study, problem solving, gamification, Design Thinking)
- Infrastructure: laboratories and cloud laboratories

Student-Centered Learning



Problem Based Learning



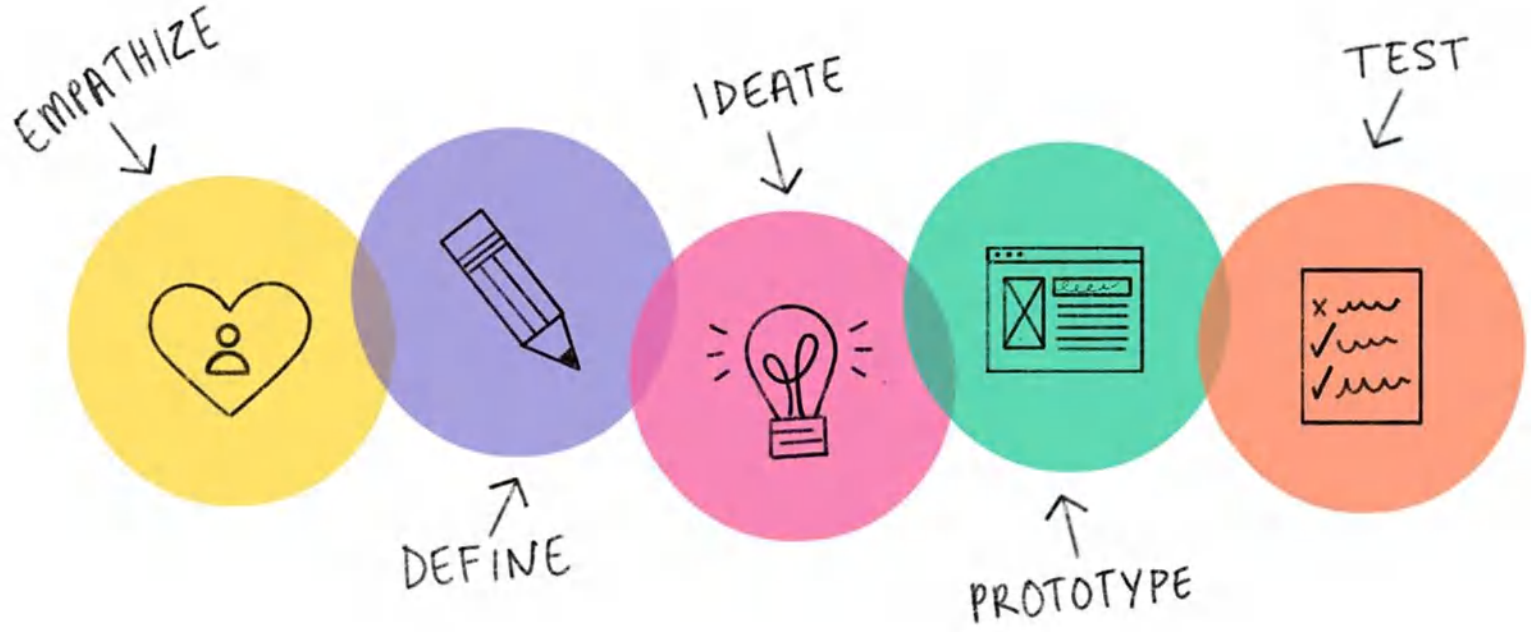


https://www.unsdgproject.com/problem-based-learning.html

Students’ projects

- The Psycho Care application
- WellBee the Wellness Bot (chatbot)
- Intrusion Detector
- Cognitive science and human-machine interface

Design Thinking

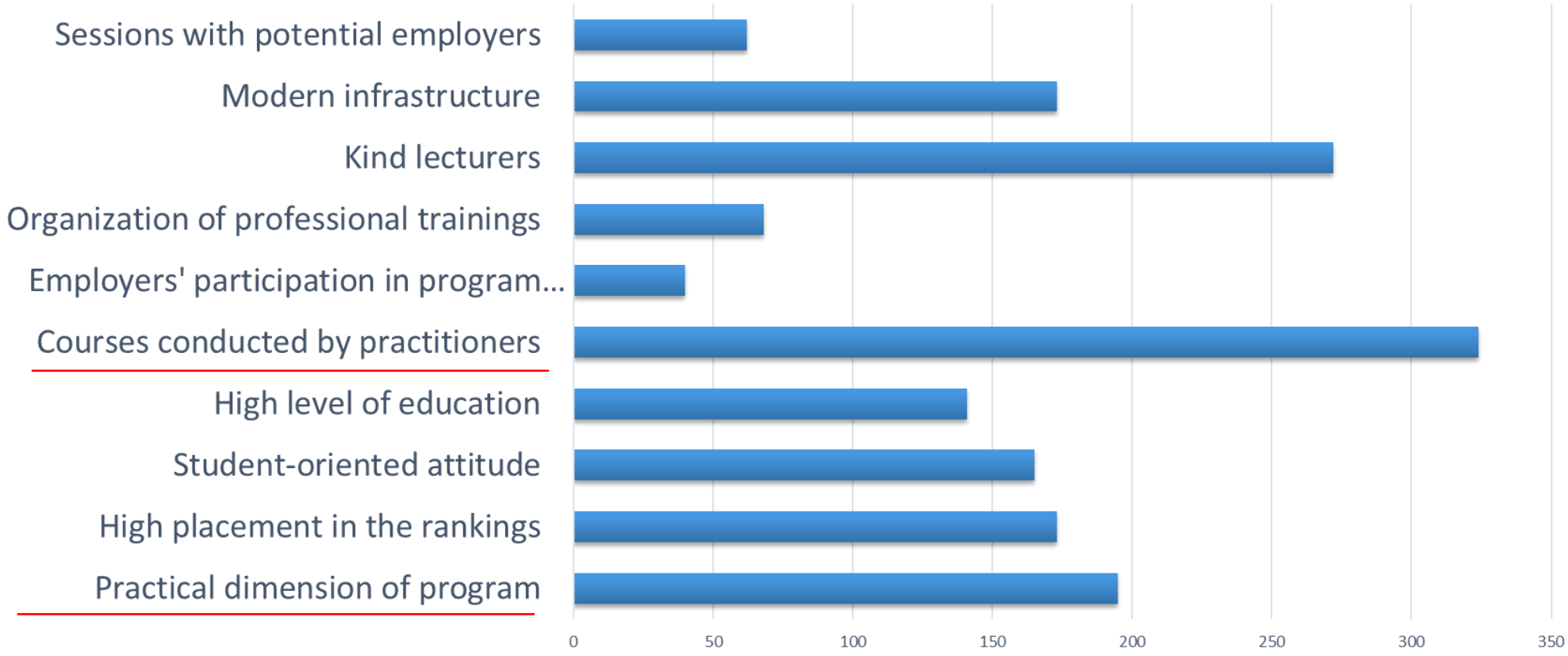


https://www.ovtt.org/en/resources/design-thinking-agile-methods/

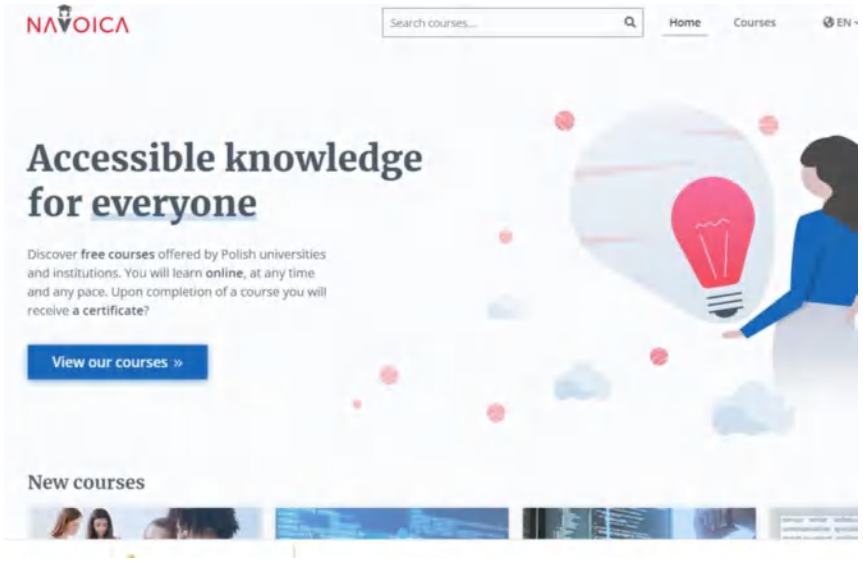
Evaluation

- **Periodic reviews** of curricula every 2 years
  (with participation of academics and external practitioners)
- **Student career** review,
- Opinions of internal and external stakeholders,
- **Assessment of the teaching concept**, description of the graduate profile, study plan and syllabi as the whole in the context of coherence
- **Surveys conducted among students** (*assessment of: the quality of classes, satisfaction with studies, quality of work of administrative units, internships*

The main advantages of the WSB University in the opinion of students (n=549)

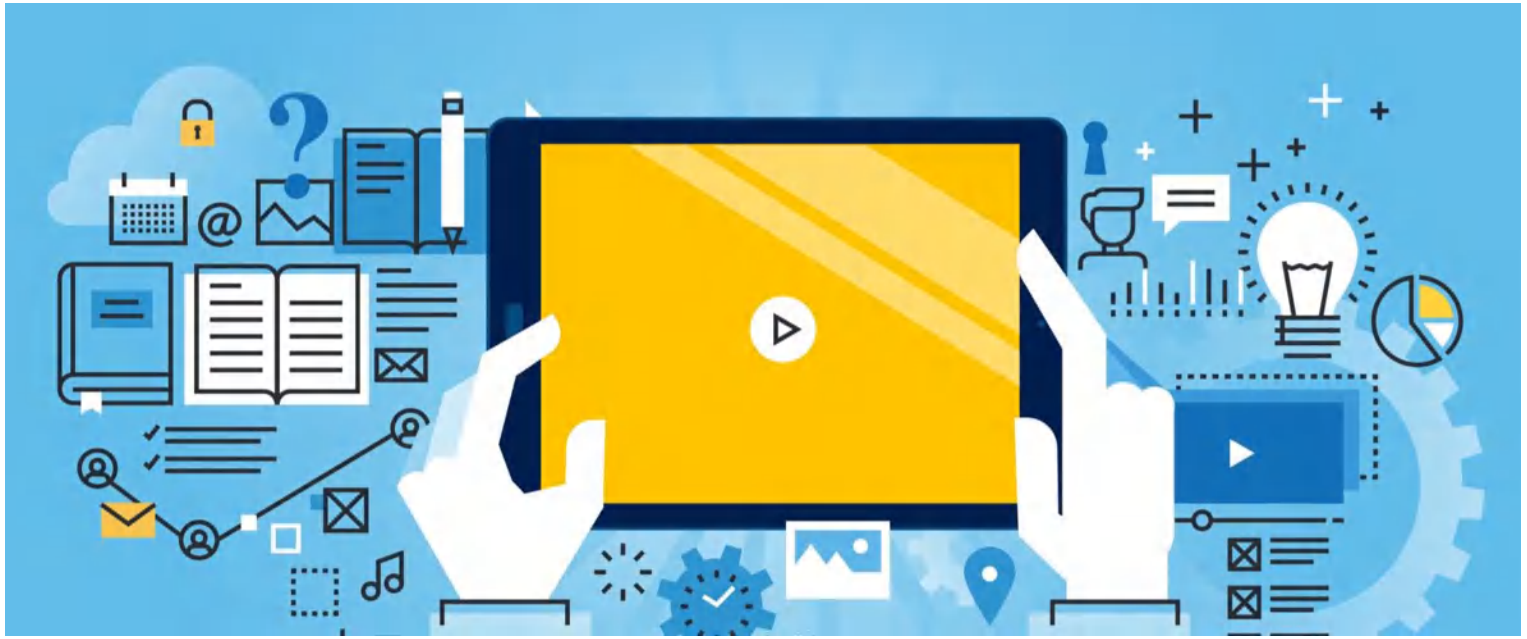


Some examples ☺



- **3 days of study, 2 days of work** (93% of full-time students undertake employment during their studies)
- **The programmme of development** of mental toughness
- **Student competence development program** (trainings, meetings with practitioners, study visits)
- **Specialization of studies under the employer's patronage** (business data analyst; optimization and simulation engineer; cloud computing)
- Massive Open Online Courses (**MOOCs**).

Inspera Assessment



Electronic exams at the WSB University

Contents:

- ✓ The idea of electronic exams at school
- ✓ The outbreak of a pandemic and its influence on the process of remote verification of learning outcomes
- ✓ WSB University as a a pioneer of electronic solutions used in the process of examining students in Poland and around the world
- ✓ The most important functionalities of the platform that enable the achievement of the assumed goals
- ✓ Security measures- teachers and students' perspective
- ✓ Statistics and cocnlusions

The idea of electronic exams at school

The implementation of this tool is related to and directly results from the mission of the university, its vision and strategic goals:

- digitize and improve the process of verification of learning outcomes
- provide a modern platform that would significantly optimize the examination process on the teacher's side
- provide the student with an easy-to-use tool
- provide students with the possibility of writing exams at school on their own computers (BYOD exams)

The outbreak of a pandemic and its influence on the remote verification of learning outcomes

- The first wave-our first exam session in the pandemic (June 2020)
- Online exams-challenges
- Implementation of Inspera Assessment
- The second wave-our second exam session in the pandemic, our first exam session with Inspera (January 2021)

The WSB University as a pioneer of electronic solutions in Poland and around the world

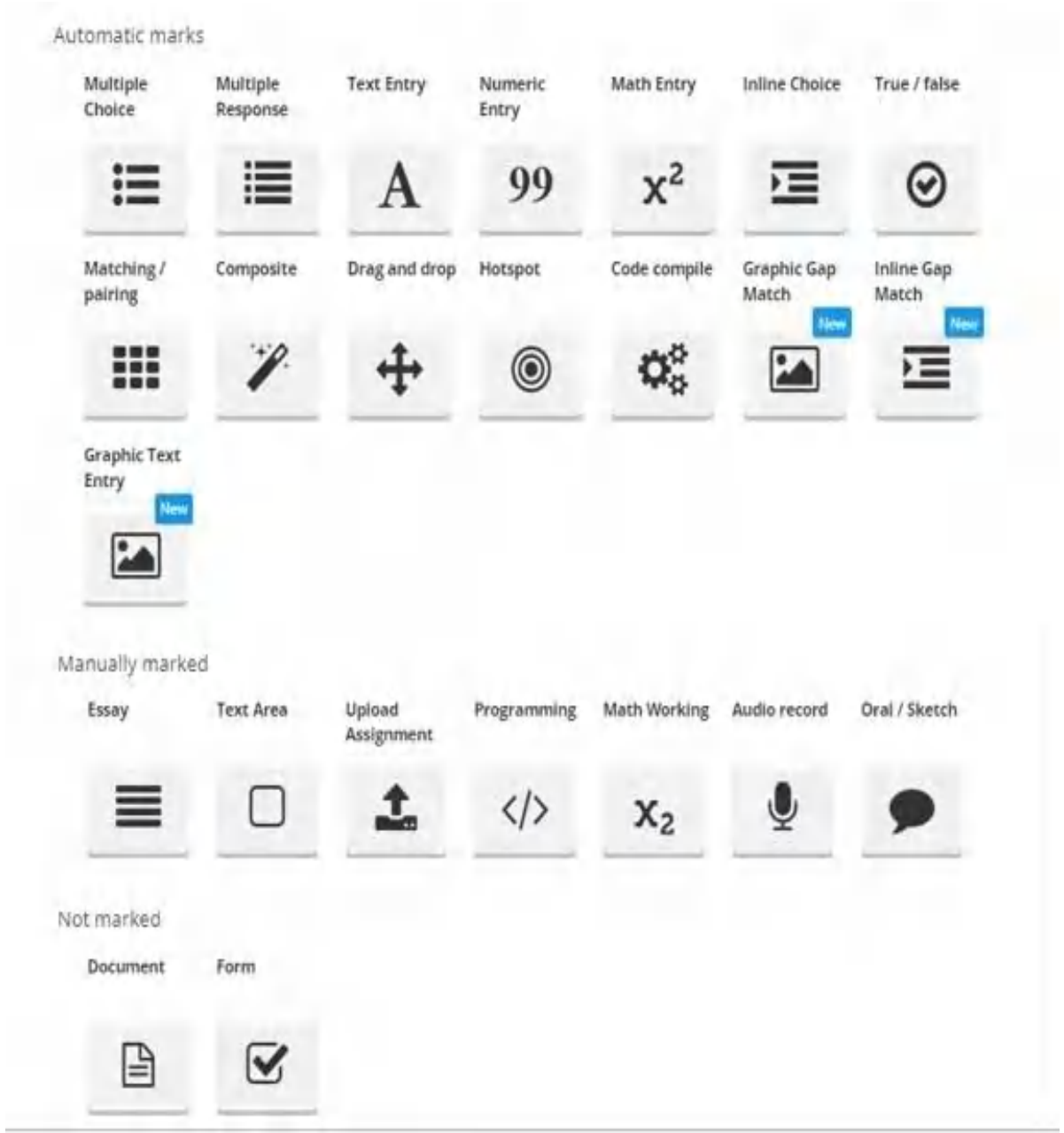
- The WSB Academy among prestigious European universities which use the Inspera Assessment tool to conduct remote examination sessions.
- **One of the 3 universities in Poland using this platform and the first university in the world that uses the proctoring module to secure exams.**
- Inspera Assessment is a system designed to safely handle exams of various scales, which allows us to efficiently organize, monitor and evaluate exams carried out in electronic form, both remotely and on-site.

Functionalities that enable the achievement of our goals

Inspera enables our teachers to:

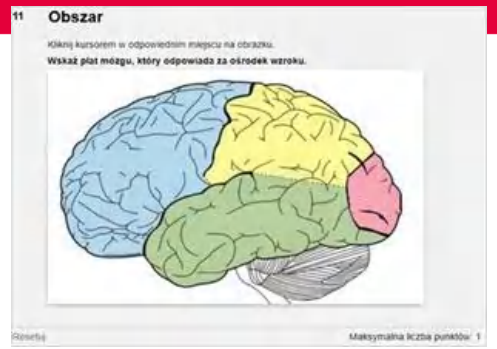
- create questions that are visually attractive
- create questions that are practical in terms of content
- practically verify the knowledge and skills of students in a way that was often impossible using other tools
- conduct safe online exams in terms of students' honesty

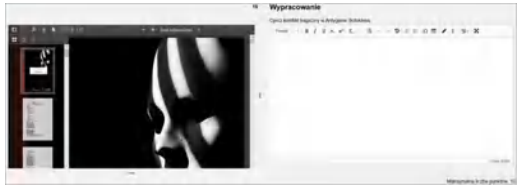
Types of questions



Sample questions

- graphic-based with the option to upload an attachment
- recording of the student's oral answer
- mathematical calculations using an easy-to-use palette of mathematical symbols based on LaTeX
- programming tasks with a compiler editor highlighting the syntax of one of over 90 programming languages





Safety levels-student's perspective

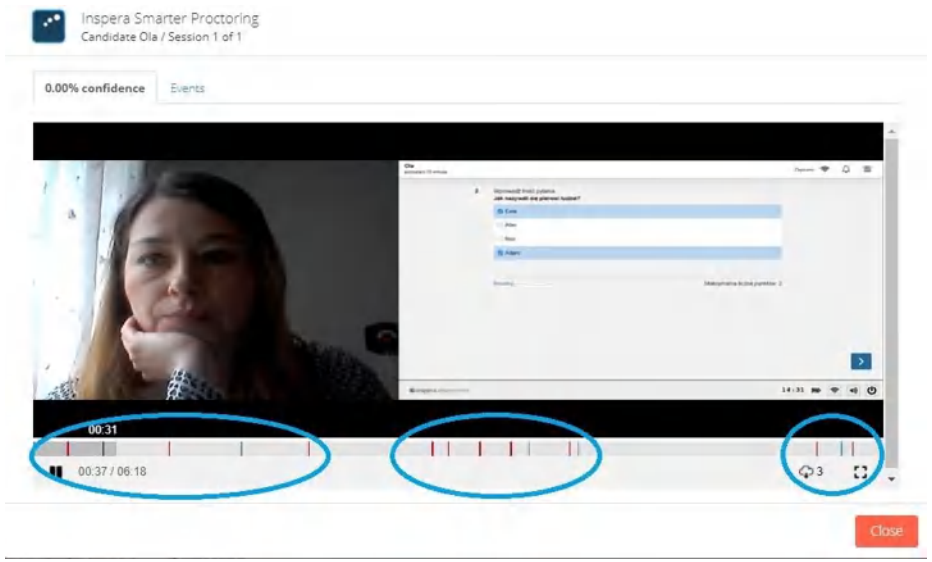
Blocking mechanism

Identity verification

Recording the course of the exam

Automatic marking of potentially unethical behaviour

Safety levels-teacher's perspective

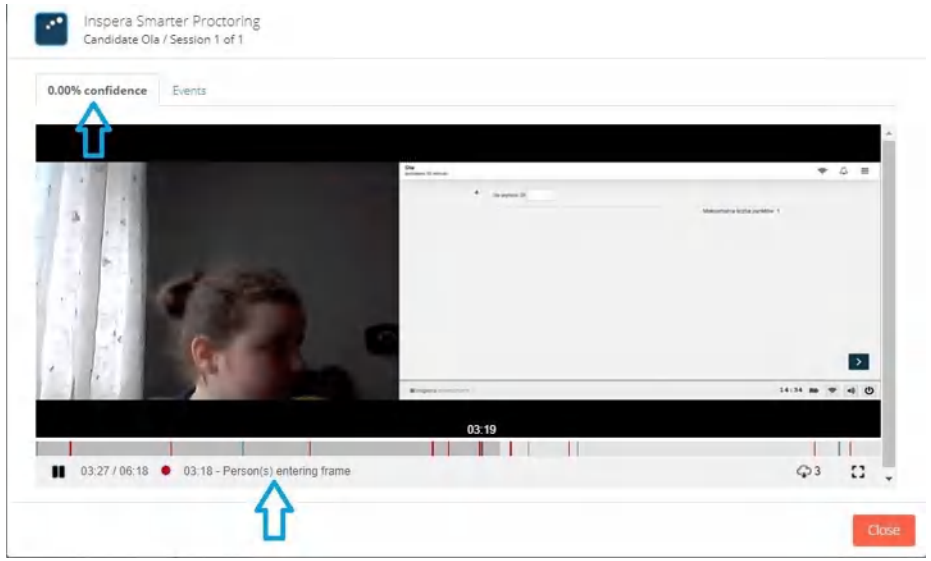


When watching the exam recording, the teacher sees the incidents marked by the system, which they should look at in the context of the student's fairness and verify whether the incidents should be included in the exam grade.

System automatically flags potentially unwanted behaviour, such as:

- appearance of a face other than the student's face
- appearance of objects in the frame
- disappearance of the face
- noise

Safety levels-teacher's perspective



When going to the incident marked on the video, the teacher also sees a description of what kind of event it is. In the picture we see a person appearing in the frame –a different person form the student.

Statistics

During the previous academic year we conducted:

- 137 exams with proctoring--->1110 students
- 293 exams with the blocking mechanism

  ---> 2312 students
- we revealed 65 unethical behaviours –

  6% of all proctored students.

Conclusions

Surveys' results-teachers

- 80%-the whole examination process is much easier than with other tools
- the most needed functionalities are: limiting the opportunities to cheat and ID verification
- teacher-friendliness

Surveys' results-students

- 80%- security levels are effective
- answers are saved even with lost internet connection
- verify student's ID

Plans

- As the use of the platform increses
- the methodological value of exams
- the level of security
- level of credibility and reliability of the grades obtained in exams

we are increasing the scale of exams this year. We are about to introduce on-site exams next to the remote ones. The on-site electronic exams are to be held in our lecture rooms, computer labs and also in the BYOD formula.

Lunch

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