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Project No 2020-1-PL01-KA226-HE-095371

JANUS Project

- The Janus project aims to:
- promote new technologies and methods in the educational & academic community.
 - provide digital conference rooms and online collaborative workspaces.
 - setting up the foundations related to the application of Virtual Reality (VR), in Blended Learning settings, with particular focus on the field of STEM (Science, Technology, Engineering and Mathematics) education
 - disseminate and promote the results of the project to the country-wide institutional

- The project-related activities can be broadly classified into the following categories:
1. e-Pedagogy: develop an educational framework to support the design of the VR learning activities and a user manual to guide the practices that educators will follow when conducting the educational activities.
 2. Virtual-Learning Platform: Aligned to the principles of well-established educational theories and instructional design techniques, a prototype VR platform will be developed
 3. Learning Analytics: In order to assess the usability of the system as well as the effectiveness of the VR tool against the learning objectives, a thorough evaluation will be made.

Partnership

Lead Beneficiary:
Politechnika Rzeszowska im. Ignacego Łukasiewicza, Poland

Project Beneficiary 1:
University of Turku, Finland

project Beneficiary 2:
University of Ioannina, Greece

Project Beneficiary 3:
Politecnico di Torino, Italy

project Beneficiary 4:
SynArea Consultants s.r.l., Italy

Project Beneficiary 5:
Vilnius University, Lithuania

Kick-off Meeting



On Wednesday 3 March 2021, the kick-off meeting of the project Beneficiaries was held with online presence via Teams Platform, due to the Covid-19 Pandemic.

Initially, all the partners presented the overview of their institutions and project's expected results, and subsequently they highlighted that the main purpose of the project will be the development of a safe environment in which students will be able to interact with the learning content and undertake various subject-specific tasks.

The Lead Beneficiary of the project, (Politechnika Rzeszowska im. Ignacego Łukasiewicza), reported the great and immediate influence on different stakeholders aligned to the efforts that EU makes to deal with the setback that the recent pandemic outbreak has caused. The outcomes of the project will aid the initiatives that are dedicated to the transformation of the modern educational practices so as to align with the 21st Century skills and competences that individuals need to develop.

Vilnius University	Politechnika Rzeszowska / Polytechnic of Torino	Uni. Of Ioannina Synarea	Politechnika Rzeszowska / Polytechnic of Torino	University of Turku
Design of the Educational Framework	Design of the Pilot Scenario	Design of the e-Learning Tool	Conduct of the Pilot Case Study	Design of the Learning Analytics Tool

Project Partner Meetings

Project Partner Meeting are held very often and organized very thoroughly, to keep the pace of the project and to assure its success. Their purpose was to systematically follow the agenda, to verify everyone is completing their tasks on time and within budget, and to keep the team engaged, and informed about the project.

2nd Transnational Project Meeting

On 27-28 September 2021, the second Project Meeting was held with physical presence at the University of Ioannina, in Arta, Greece. On the first day of the meeting, each of the partners summarized their reports submitted to LB. Some comments were received and information was exchanged between interested parties concerning the results of their reports and cross-country information.



On the second day of the meeting, the project's instructions for partners and data collection were discussed; specifically, target groups for data collection, focus of research questions, and timing for data collection due to Covid-19 constraints. Finally, the objectives and deliverables were presented by LB and briefly discussed between partners.

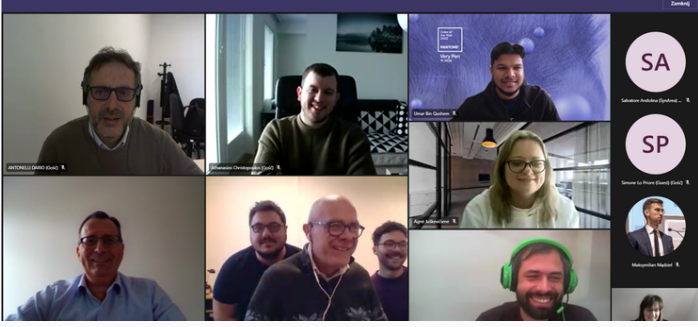
3rd International Project Meeting



On 16-17 December 2021, the third Project Meeting was held with physical and online presence in Turku, Finland. On the first day of the meeting, following the presentation, each partner highlighted interesting findings and comments from their reports. In the second part of the meeting, the discussion focused on the updated tasks that have been implemented until today.

Online Project Meeting

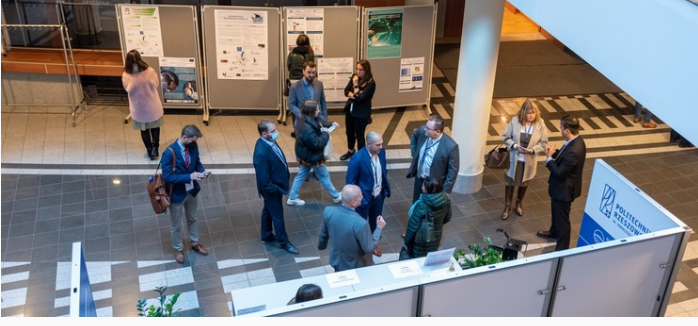
On 15 February 2022, an online project Meeting was held, as the first year of the project implementation ended up. The partners discussed the outputs, the literature review, and guidelines for innovative practice. Partners also discussed the structure of the VR learning activities for the students, adaptation and piloting of the didactical framework to guide the practices that educators will follow when conducting the educational activities.



Dissemination

The JANUS project was presented on EUROPEAN CONFERENCE "Future Skills for Europe's Aerospace and Defence Industry" 21-22.10.2021 in Rzeszow, Poland.

The conference participants had a chance to read about the project on the poster which was available during the whole conference at the conference venue. The conference was dedicated to the development of skills for the aerospace and defence industries. Sustainable development aspects and the need to introduce modern technologies were important topics discussed.



The JANUS project was presented on 10th International Conference on Assembly Techniques and Technologies ATT 2021 26-29.10.2021 in Berezka, Poland.

While at the conference, attendees had the opportunity to read a poster describing the initiatives of the Janus Project. This scientific conference was dedicated to the development of technologies, methods and tools that can support assembly processes. Virtual Reality (VR) can significantly improve such processes. Therefore, the early contact with VR technologies is very valuable for the students.

