



Co-funded by
the European Union



6th Press release – Main NextGEng Activities in autumn 2024

October 2024

The International Cooperation Framework for Next Generation Engineering Students (NextGEng) is a three-year Cooperation Partnership project, co-funded by the European Union under the Erasmus+ KA2 program, consisting of a consortium of 3 universities and 3 companies. In the project, there are several lines of actions that aim to increase the quality of the pedagogical process in engineering by developing new teaching models, aligned with the European Education Area 2025 and are in accordance with labor market needs.

Many NextGEng activities planned for this autumn semester have already started. In this press release you can read about them.

In February 2024, as part of the [NextGEng Team-Teaching Pilot Program](#), the planning of the two last upgrading courses started in the cooperation of three HEIs' teachers together with the company partners. These two courses are Computer Aided Design (C5) and Manufacturing Technology (C6) and their implementations have now started. The second round of four courses, which are Strength of materials (C1), Industrial automation (C2), Design projects (C3) and Quality assurance (C4), are also going on. During this autumn semester, there have already been some co-teaching mobilities of these courses.

[Cases of Experiential Learning \(CEL\)](#) projects are designed in collaboration with HEI teachers, companies or HEI research groups and aim to facilitate close cooperation between students, HEI staff and industry experts on a real-life industrial project or research topics. The planning of the second round CEL projects have also started in three partner countries. The topics of these three projects are coming soon and after that, info sessions for suitable student groups are organized in the three HEIs and marking the start of the students enrolment process. When the application time will be over, teachers will choose a total of 54 students for three CEL projects and inform all applicants. The second round of three CEL projects will be implemented during the spring semester 2025 in all three partner countries.

Teachers are now waiting for applications and motivation letters from their students. When the application time will be over, they will choose students for three CEL projects and inform students. The second round of three CEL projects will be implemented during the spring semester 2025 in all three partner countries.

The 5th NextGEng Steering Committee (SC) meeting was organized at JAMK University of Applied Sciences on the 1st of October. During the meeting day all work package leaders had their presentations that focused on presenting the obtained results and thoroughly planning the activity for the next 6 months. The meeting offered also the opportunity to discuss and plan actions related to project sustainability after the project funding will end.





Co-funded by
the European Union



NextGEng group taken part in the 5th SC meeting

After the 5th NextGEng Steering Committee meeting there was organized the podcast recording session where took part in Arturo López Riquelme from ISR, Juhani Salonen from VALMET and Anneli Kakko from JAMK. The Interviewer of this podcast was Mr. Sami Kantanen, Director at the Institute of New Industry (JAMK). The topic on the podcast was “Internationalisation boost career” and participants discussed about two EU projects HEIBus (<https://heibus.eu>) and NextGEng (<https://nextgeng.eu>) where they three have taken part in and what have been their roles and feedback about these projects.





Co-funded by
the European Union



Juhani Salonen, Anneli Kakko and Arturo López Riquelme

The 17th International Forum of Mechanical and Mechatronic Engineering, IFMME 2024, one part of the 15th Mechanics Days (www.jamk.fi/en/project/welcome-to-the-xv-finnish-mechanics-days) was organized at JAMK University of Applied Sciences in Jyväskylä from the 2nd to the 4th of October. In the IFMME 2024 program, there were three interesting NextGEng project presentations which speakers and topics were:

- “Promoting Engineering Education Excellence - the NextGEng Project” by Dr. Ciprian Lapusan



Ciprian Lapusan





- “Experiences of international co-teaching in a European higher education context” by Mr. Petri Luosma and Mrs. Tarja Moilanen



Petri Luosma and Tarja Moilanen

- “Cases of Experiential Learning projects: A successful model for HEI student-company cooperation” by Dr. Silvia Satorres and Mrs. Anneli Kakko



Silvia Satorres and Anneli Kakko



Co-funded by
the European Union



Contact

Assoc. Prof. Ciprian Lapusan PhD. Eng., Project Coordinator

Technical University of Cluj-Napoca, Romania

ciprian.lapusan@mdm.utcluj.ro

Funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or the European Education and Culture Executive Agency (EACEA). Neither the European Union nor EACEA can be held responsible for them.

