

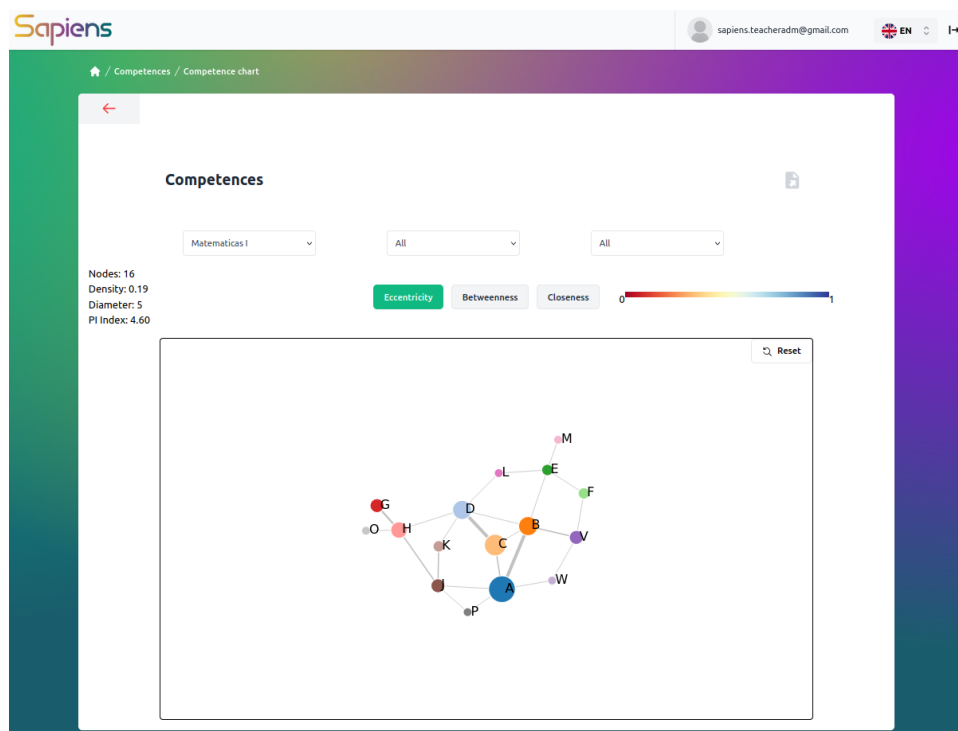


## New Software Tool "SAPIENS" to Help Detect and Evaluate Learning Deficiencies Among Students

A team of researchers in Spain, Germany and Austria has developed an innovative software tool that can detect and evaluate learning deficiencies and gaps among students in various disciplines. The project, called Skill Assessment for customized compETence NetworkS (SAPIENS), was funded by the European Union's Erasmus+ program which supports initiatives that promote the modernization and internationalization of education, training, and youth work.

The first version of SAPIENS has been designed to be used by professors who teach physics, mathematics, statistics, and economics. The tool automates the correction process and enables professors to create customized exercises for each student. By parametrizing the exercises, the tool can assign the same exercise to different students with different parameter values.

In addition, SAPIENS includes a competence network that allows professors to visually and intuitively explore the skills acquired by students at both the course and individual levels. This feature can help identify deficiencies in the performance of students.



Competences network at course level

The SAPIENS project team is also working to extend the tool to cover other disciplines such as Computer Science and Education, as well as to reinforce the analytics part. The



first version of the tool is now ready to be used and interested teachers can register on the SAPIENS website to try it out.

According to the project team, SAPIENS is a useful tool to strengthen the acquisition of skills by students in an automated way under the supervision of a professor. The project's innovative approach to identifying learning deficiencies and providing customized exercises could be beneficial to students across various disciplines.

The SAPIENS tool is a promising initiative that could help improve the quality of education and training across Europe and beyond.

To learn more about the SAPIENS project and the software tool, visit the website at <https://sapiens-project.net/>