

# About Us



University of Latvia (UL) with 13,000 students, 13 faculties and more than 20 research institutes is one of the largest comprehensive research universities in the Baltic States with educational and research potential in humanities, social and natural sciences.



Społeczna Akademia Nauk - (University of Social Sciences) is one of the leading private universities in Poland having 16,000 students and numerous academic staff. There are 25 departments, including Management, Pedagogy, Psychology Sociology and IT studies.



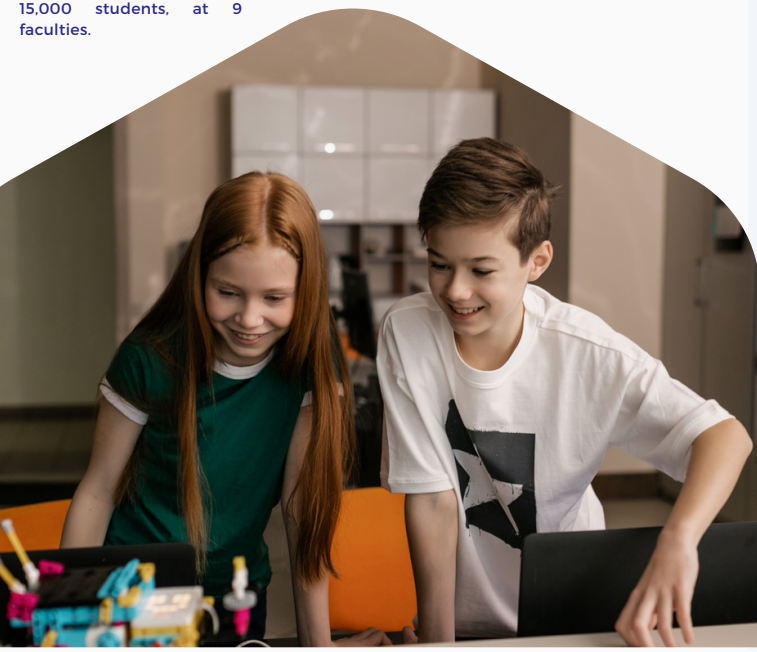
"Lucian Blaga" University of Sibiu - ULBS is one of the oldest universities in Romania, with a tradition of over 225 years. The University promotes unique specializations in the Romanian academic space. Every year, ULBS opens its doors to approximately 15,000 students, at 9 faculties.



University Çanakkale Onsekiz Mart University (COMU) is one of the leading universities in Turkey with its nearly 48,000 students and qualified academic and administrative staff, he have 13 faculties, 4 institutes, 8 colleges, 12 vocational high schools.



School of Robotics (Scuola di Robotica) is a non-profit Training and Educational Center Certified by the National Ministry of Education. Its aim is to promote the knowledge, use of ICT educational applications, and of Educational Robotics.



# CONTACT US



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## CONSORTIUM



SPOŁECZNA AKADEMIA NAUK  
UNIVERSITY OF SOCIAL SCIENCES



UNIVERSITATEA  
LUCIAN BLAGA  
— DIN SIBIU —

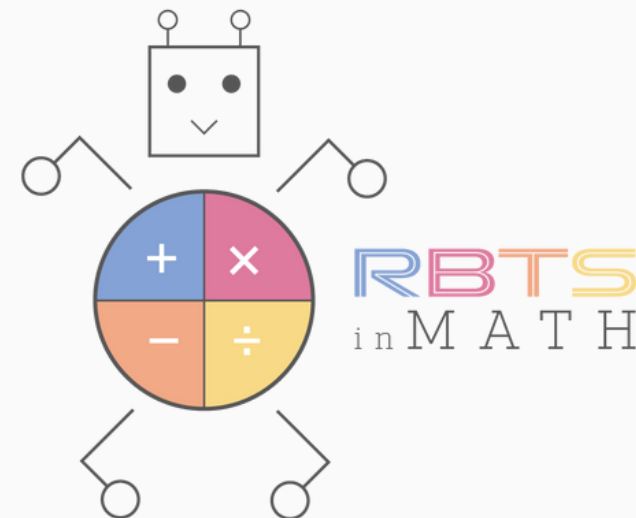


UNIVERSITY  
OF LATVIA



Scuola di Robotica

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**RbtsInMath - Developing  
Mathematics Achievement  
through Using Robotics  
Applications in Flipped  
Learning**

**Project no. 2022-1-PL01-KA220-HED-000086524**



**Funded by  
the European Union**



## Aims and objectives

The purpose of this project was specified as closing skills gaps of undergraduate students, who will work at primary schools, in solution processes of possible challenges related to students with MA by developing:

A. Modular Course Curriculum to Encourage the Use of Robotics Applications for Flipped Learning in Primary School Maths Education

B. Virtual Video Library with Robotics Practices consisting of Scenario-Based Learning and Teaching Processes

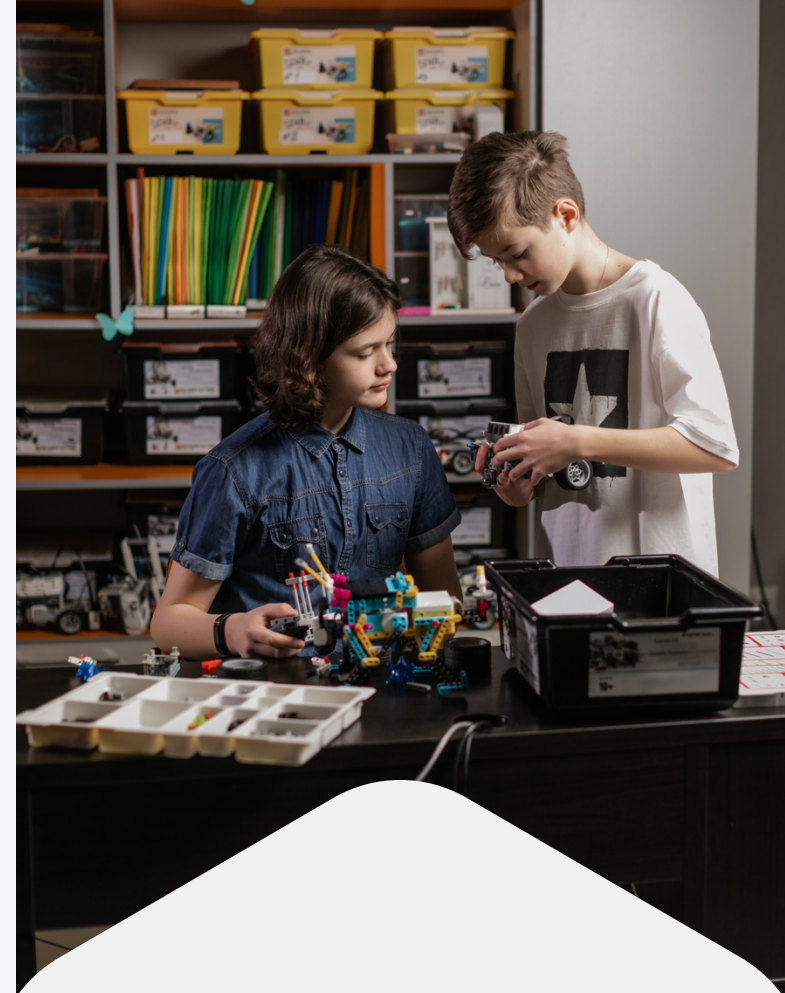
C. Teacher Guide: Applying Flipped Learning through Robotics Practices in Primary Schools

## Key results

- Using the curricular module with robot applications for flipped learning
- The development of other applications in practice having models in video virtual libraries
- Development of different skills in the application of robots during the courses
- Using the application guide of educational robots to reduce anxiety
- The most successful application of robotic applications for flipped learning in class
- Organizing fun math games with the help of educational robots

## Expected impact

- Reducing anxiety in mathematics lessons
- The development of digital skills for the application of robots through flipped learning
- The development of a logical and algorithmic thinking with the use of educational robots
- Enhancing students' interest in mathematics in long-term primary education with the application of robots
- Motivating participation and collaboration during math lessons by participating in various games with toy robots



1/11/2022 -  
28/02/2025



- Prospective teachers
- Primary school teachers

