Zoltan Papp, PhD
University of Novi Sad Hungarian Language Teacher Training Faculty, Subotica, Serbia
zoltan.papp@magister.uns.ac.rs
Elvira Kovacs, PhD
University of Novi Sad Hungarian Language Teacher Training Faculty, Subotica, Serbia
elvira.kovacs@magister.uns.ac.rs

**The Role of Artificial Intelligence in Inclusive and Intercultural Vocational Education**

The VETAssIst (Artificial Intelligence as VET Teacher Assistant) Erasmus+ project aims to introduce artificial intelligence (AI) tools into vocational education and training (VET), with a particular focus on supporting teachers. The objective of this research is to explore the implementation of the project in Serbia, with special attention to the educational use of AI tools. The study is based on document analysis and case studies. The examined examples show that AI tools—such as automatic translators, speech recognition systems, and personalized learning path generators—can effectively support overcoming language barriers, considering learners' cultural backgrounds, and enhancing teachers' intercultural sensitivity. The international scope of the project and the versatility of digital tools contribute to fostering inclusive and culturally responsive vocational education.

**Keywords:** artificial intelligence, vocational education, interculturality, digital tools