

Report on the outcomes of a Short-Term Scientific Mission¹

Action number: CA19102 / Reference: E-COST-GRANT-CA19102-5ad76c7e

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Details of the STSM

Title: The Rise of the Artificial Intelligence: Rethinking teaching and assessment

Start and end date: 04/07/2023 to 10/07/2023

Description of the work carried out during the STSM

Description of the activities carried out during the STSM. Any deviations from the initial working plan shall also be described in this section.

During my scientific visit to Adam Mickiewicz University in Poznan, I had the opportunity to interact with LSP (Language for Specific Purposes) teachers and researchers about the recent developments in AI (Artificial Intelligence). I held a workshop titled "Using AI-Based Websites for LSP Question Generation". The workshop began with an introduction to the importance of preparing students for classroom learning in LSP teaching. Participants were made aware of the time and effort involved in creating aligned questions for assessment purposes. I then discussed recent advancements in AI and their potential in LSP teaching and learning practices, particularly in question creation. The main focus of the workshop was to review a list of AI-based websites that can be utilized for generating questions. Participants actively engaged in hands-on activities, where they explored several AI-based websites to create questions in various formats. This interactive session allowed participants to experience the benefits and challenges associated with using AI-generated or written questions first-hand. I also delivered a talk titled "Use of Artificial Intelligence in LSP: Challenges and Opportunities". During the talk, I highlighted the historical context of AI, emphasizing its strong links to computer science, including machine learning, robotics, and adaptive technologies. The recent popularity of AI in various industries was discussed, particularly the emergence of AI tools like ChatGPT and MidJourney that can generate content from basic prompts. I acknowledged the ongoing scrutiny surrounding the use of AI in education and the concerns raised by educators regarding the potential replacement of human intellectual efforts and the encouragement of cheating practices among learners. In contrast, the talk also shed light on the potential benefits of AI technology in LSP teaching. I discussed its capacity to improve self-reflection, critical thinking, and inquiry practices among students. By incorporating AI-based materials design and techniques, educators can foster a more engaging and interactive learning environment.

¹ This report is submitted by the grantee to the Action MC for approval and for claiming payment of the awarded grant. The Grant Awarding Coordinator coordinates the evaluation of this report on behalf of the Action MC and instructs the GH for payment of the Grant.

Description of the STSM main achievements and planned follow-up activities

In my STSM, my main objective was to delve into the exciting possibilities of AI technology in LSP teaching and learning. I specifically focused on question generation and materials design to enhance the classroom experience. My aim was to provide teachers and researchers with a deep understanding of AI-based websites for question creation, while also discussing the benefits and challenges associated with incorporating AI into teaching practices. I am pleased to share that both the STSM and the talk were highly successful in achieving their intended goals and outcomes. During the workshop, participants actively engaged with AI-based websites, allowing them to create questions in various formats and gain hands-on experience with AI-generated or written questions. Through interactive sessions and facilitated discussions, we delved into the immense potential of AI in LSP teaching, particularly in the context of question creation for assessments. This enabled participants to gain valuable insights and explore innovative approaches to enhance their teaching practices.

While I didn't produce any specific publications resulting from the STSM and the talk, the knowledge and findings I shared serve as a solid foundation for future research and publications in the field of AI in LSP teaching and learning. I believe that the insights generated during the activities will inspire and drive future advancements in this area. Furthermore, the STSM fostered valuable networking and collaboration among participants, paving the way for exciting future collaborations, such as joint research projects, sharing of best practices, and the development of educational resources that leverage the power of AI technology.