

## Innovative Pedagogy and Artificial Intelligence in Teachers' Training Program (Poster)

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## חדשנות פדגוגית ובינה מלאכותית בתוכנית להכשרת מורים (פוסטר)

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### Abstract

In the era of artificial intelligence (AI), integrating generative AI tools is a major issue among researchers and practitioners in the educational field (Strzelecki, 2023). Research showed that AI tools, such as ChatGPT, play an important role in the process of language learning, improving comprehension, and facilitating communication for both students and educators (Baskara, 2023). In addition, English language skills are considered of great value in the labor market and research (Giladi et al., 2022). However, many students struggle to deal with the academic requirements in English during their studies. Hence, we designed an innovative pedagogy program for teachers' training. It includes students' exposure to presenting and speaking in English by using AI technology, which is implemented in Hebrew courses in the Education department. The current study aimed to observe how students' self-efficacy in English language learning, student-teacher professional identity, and confidence in technology use (exposure and use of AI technologies) are influenced by this innovative program in teachers' training. Using a longitudinal design at two points during one academic semester. At Time 1, questionnaires were handed to the students before the beginning of the project (both to classes who participated in the project and control groups who did not participate in the program). At Time 2, questionnaires were handed to the students in both groups at the end of the semester. We hypothesized that exposure to AI tools and presenting in English will improve students' self-efficacy in English language learning, enhance their professional identity as teachers, and increase their confidence in technology use. The current study may contribute to improving the quality of teachers and provide practical implications for educational practitioners, specifically in the ongoing research of AI technologies in education.

**Keywords:** Artificial intelligence, Innovative pedagogy, Teachers' training.

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