

PERSONALIZATION OF STEM EDUCATION

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Abstract. *Modern STEM (Science, Technology, Engineering, and Mathematics) education improves students' understanding of the relations between science, technology, engineering, and mathematics, solving real-world issues. Hence, the teaching methods are crucial for learning, and personalized teaching increases education effectiveness. The present paper aims to explore tendencies of the approaches to teaching STEM subjects at schools and universities worldwide and suggest their classification. Next, it outlines the contemporary approaches in STEM teaching and their personalization. The paper also discusses some use cases of the personalization of teaching and provides good examples for a practical application of personalized approaches for STEM education at a global level.*

Key words: STEM education, personalization approaches, teaching methods.

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