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# Intelligent Tutoring Systems and Distance Education – Students Perceptions

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## ABSTRACT

Technology development has brought many changes in the educational sector; among them are those related to distance education. Although established centuries ago, the need for this form of education was particularly pronounced during the coronavirus pandemic. Since then, different types of tools and techniques have been developed and improved to support the interaction between teachers and their students. Some of those platforms are based on the implementation of artificial intelligence technology. As the most common application based on AI, intelligent tutoring systems provide students with an adjusted and personalized approach to learning. In order to introduce these systems in education, it is necessary to investigate the perceptions of their main clients, i.e. students. Accordingly, this paper examines the levels of mentioned perceptions, taking into account students' gender and AI anxiety. Among the others, the results obtained on the sample of 285 students, pointed to the existence of relatively positive perceptions towards the intelligent tutoring systems.

**Keywords:** artificial intelligence, distance education, intelligent tutoring systems, students