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Preliminary Exploration on the Application of 5G+VR/AR Scenario in Teaching - Taking the Lesson “Crossing the Currency Town” of Financial Literacy Education as an Example

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The application of 5G technology in education is a major challenge in creating a new teaching ecosystem. The use of 5G+VR/AR scenarios in teaching is still in the theoretical exploration stage, lacking practical cases for education. This paper discusses the practical thinking of 5G+VR/AR scene intelligent teaching, providing cases of 5G+VR/AR classroom application to promote intelligent teaching in the direction of visualization, intelligence and scenario-based learning. Yizhou Primary School developed a curriculum resource “Crossing the Currency Town” that combines financial literacy teaching with 5G+VR/AR scenarios. The school built a 5G+VR smart cloud classroom based on the 5G network and VR/AR intelligent devices, educational terminals, and network devices to create an immersive and real-time teaching scene. The implementation of intelligent teaching requires the construction of an intelligent environment through the use of intelligent technology to improve the learners’ classroom experience and realize the interaction and cooperation between teachers, students, and machines. Intelligent equipment can also conduct multiple evaluations and monitor students’ learning effects in real-time, generating accurate analysis reports of the learning situation. The data collected can provide resources for personalized recommendation of intelligent teaching and generate intelligent and personalized learning programs.

Keywords

“5G+Education”, VR/AR, Financial Literacy

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