FOREIGN LANGUAGE TEACHING TECHNOLOGY IN TECHNICAL DIRECTIONS

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Abstract *Foreign language teaching technology continues to advance in technical directions with ongoing research and development in areas such as natural language processing, virtual reality, and artificial intelligence. These achievements are aimed at providing innovative, effective and customized language learning solutions that meet the unique needs of technical professionals in a globalized world.*

Keywords: Gamification, machine translation, online communities, virtual reality.

The technology of teaching foreign languages in technical directions has made significant progress in recent years. With the increasing importance of global communication and collaboration in technical fields, there is a growing demand for effective language learning tools and platforms designed for technical professionals. Here are some examples of technologies used in teaching foreign languages in technical areas:

1. Online Language Learning Platforms: There are many online platforms that offer language courses specifically designed for technical professionals. These platforms provide interactive lessons, vocabulary exercises and grammar exercises tailored to the technical vocabulary and terminology of various fields. Some platforms even offer specialized courses for specific technical fields such as engineering, computer science or medicine.

2. Virtual Reality (VR) and Augmented Reality (AR): VR and AR technologies have been used to create immersive language learning experiences. Tech professionals can use VR headsets to simulate real-world scenarios and practice language skills in a virtual environment. For example, they can participate in virtual meetings, presentations or technical discussions in their own language, which can improve their language skills in a technical context.

3. Language Learning Apps: Mobile apps have become popular tools for language learning. There are specific apps aimed at learning technical languages that offer vocabulary lists, flashcards, pronunciation exercises and interactive quizzes. These apps often include features such as speech recognition and language exercises tailored to the technical context.

4. Online Communities and Language Exchange Platforms: Tech professionals can join online communities and language exchange platforms to practice foreign language skills with native speakers or other learners. These platforms often provide forums, chat

rooms, and video conferencing facilities that allow readers to chat with experts in their field in real time.

5. Machine translation and natural language processing: Machine translation technologies have improved significantly in recent years, making it easier for technical professionals to translate technical documents, research papers or manuals between different languages. Natural language processing (NLP) techniques are also used in the development of intelligent language learning software that provides real-time feedback, corrects grammatical errors, and provides personalized language learning recommendations.

6. Gamification and serious games: Gamification techniques are used to make language learning more fun and interesting. Serious games designed specifically for learning technical languages provide interactive scenarios, simulations and challenges that allow learners to apply their language skills in a practical context. These games often include elements of competition, achievement, and rewards to motivate students.

It is important to note that although technology can significantly improve foreign language teaching in technical areas, it cannot replace human interaction and teaching.

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