

Harmonizing Tradition and Technology: Crafting Virtual Realities through 3D Replication and Digital Twinning for Ayurveda Education

Abstract:

This groundbreaking project strives to unite the timeless wisdom of Ayurveda with cutting-edge technology, presenting a transformative Virtual Learning Environment (VLE) for Ayurveda students. By employing advanced 3D replication techniques, the platform transcends traditional boundaries, translating ancient Ayurvedic scriptures into an immersive and visually captivating experience. The integration of wearable Virtual Reality (VR) technologies facilitates student exploration of 3D representations, enabling a profound understanding of the holistic science. Central to this endeavor is the creation of a Digital Twin of Ayurvedic knowledge, intertwining the virtual realm with real-world applications. Through the infusion of data analytics, the platform tailors the learning experience, offering personalized insights and adapting the virtual environment based on user interactions. This iterative process ensures a dynamic and responsive educational platform that evolves alongside the unique learning paths of Ayurveda students. We deploy the technologies of VR and AR to accomplish our goal of immersive learning and experience

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