Proposal for AR Studio Solution: Empowering Premedical Education

Dear School Administrators,

Greetings! Having learned of your school's plan to establish a technology-enabled experiential platform to drive innovation in premedical education, we are pleased to present our tailored AR Studio solution. The core function of the platform is **empowering teachers and students to rapidly develop AR teaching scenarios through AI capabilities**—no professional programming or 3D design skills required. It enables the creation of immersive educational experiences perfectly aligned with premedical teaching needs. Below is a detailed overview of the platform's core value and adaptive advantages:

I. Core Function: AI-Driven Rapid Development of AR Teaching Scenarios

The platform's key highlight is **enabling teachers and students to quickly design and build AR teaching scenarios with AI assistance**, completely breaking down technical barriers:

Powered by advanced AI engines, the platform simplifies the AR creation

process to the utmost: Users can generate high-quality, editable 3D models (such as human anatomical structures, medical devices, and clinical scenarios) through simple text descriptions or reference images. Whether simulating dental diagnosis and treatment processes, visualizing skeletal systems, or recreating infant care scenarios, the AI-driven tools significantly reduce content development time and technical complexity. Teachers can customize AR courseware for premedical curricula in minutes, while students can also engage in hands-on creation, transforming abstract medical knowledge into interactive visual experiences to deepen understanding and memory.

II. Specialized Medical Education Modules, Precisely Matching Premedical Needs

Built on the core AI-enabled rapid creation function, the platform is equipped with specialized modules tailored to premedical training, facilitating the quick development of scenario-based AR content:

1. **Pediatric Care Education Module**: Generates 1:1 realistic simulations of common infant/child injury scenarios (e.g., abrasions, bumps, cuts) via AI. Teachers and students can independently design interactive courses that demonstrate nursing procedures step-by-step—from cleaning and disinfection to hemostasis and wound care. The system clearly labels key tools and operational taboos, laying a foundation for future pediatric care and family health guidance.

2. **Dental Education Module**: AI can quickly generate 3D tooth models, supporting the creation of AR scenarios that simulate tooth fissure

morphology, fissure sealant application, and curing processes. These customizable AR courses help students intuitively grasp basic dental knowledge and clinical workflows.

3. **Skeletal Visualization Module**: High-precision human skeleton models (AI-generated or uploaded) support 360° rotation, structural decomposition, and reconstruction via gesture or voice commands. Teachers can quickly adapt these models to anatomy courses, while students can modify and expand scenarios independently for in-depth learning.

III. Comprehensive Technical Support for Smooth Teaching

1. **Robust Educational Management System**: Supports independent deployment and multi-level permission management (school, teacher, class, group, student), enabling efficient tracking of teaching progress, analysis of student performance, and integration of teaching resources. It adapts to both large-scale teaching and personalized learning needs.

2. **Multilingual & Cross-Border Deployment Capabilities**: Boasts strong cross-border operation support, with interfaces and content available in multiple languages including Thai and English. This ensures barrier-free use for teachers and students while guaranteeing stable access to cross-border educational resources.

3. **Intuitive Zero-Code/Low-Code Operation**: In addition to AI generation, the platform features drag-and-drop scene editing and visual logic programming tools. Users can freely assemble AR scenarios, set interactive trigger rules (e.g., "if-then" logic), and preview effects in real time—allowing every teacher and student to master AR development with ease.

IV. Multi-Device Compatibility & Proven Educational Cases

1. **Versatile Device Support**: Fully compatible with professional devices like Rokid AR Studio and common terminals such as iPads. Rokid AR Studio delivers immersive interactive learning experiences, while iPads enable third-person perspective real-time casting, facilitating teacher demonstrations and group observation to enhance classroom interaction efficiency.

2. **Rich Proven Educational Applications**: The platform has been successfully applied in various educational scenarios:

    - Secondary school AR workshops: Empowering students to quickly develop AR medical popularization works and enhance practical skills;

- Higher education collaborations: Providing practical teaching support for medical-related majors and promoting the integration of AR technology with disciplines;

  These cases fully validate the platform’s teaching practicality and ease of use, ensuring seamless integration into your school’s teaching system and injecting innovative vitality into premedical education.

V. Core Advantages Summary: Driving Educational Quality Enhancement

Our AR platform is characterized by core advantages including "AI-enabled rapid creation, precise adaptation to medical scenarios, extremely low operational barriers, and multilingual/multi-device compatibility." It provides a full-cycle solution for your school’s premedical education—from content creation and teaching implementation to management and evaluation. By enabling teachers and students to independently participate in AR teaching scenario development, the platform not only enriches course formats and boosts learning interest but also fosters students’ practical abilities and innovative thinking. It helps your school build a distinctive brand in premedical education and construct a solid bridge for students to enter professional medical fields.

We look forward to partnering with your school to deeply integrate AR technology with premedical education and co-build a high-quality

educational experiential platform. Should you require further demonstrations of platform functions or wish to discuss cooperation details, please feel free to contact us at any time!

Best regards,