InscapeXR-IIT KGP VR STEM Experiments

Overview

- Many schools and colleges lack proper lab infrastructure, making science experiments costly, unsafe, or inaccessible.
- Students often fail to connect theory with practice due to limited hands-on exposure.
- A scalable, VR-based solution can provide immersive, safe, and low-cost science practical experiments with real interactivity.

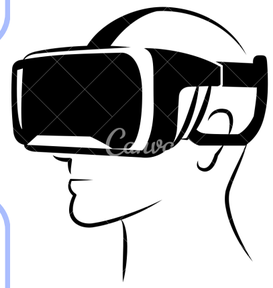
Features

VR SCIENCE EXPERIMENTS

Enables students to perform real-time practicals in VR, with accurate physics and natural hand interaction.

AI VIRTUAL TUTOR

Provides instant guidance, explanations, and personalized feedback during experiments.



REAL-TIME HAPTICS

Simulates the feel of handling lab instruments and materials, enhancing immersion and realism.

GAMIFICATION

Earn points, badges, and rewards for completing modules, making learning engaging and motivating.

Impact

Bridges the gap between theory and real-world applications through interactive VR modules

Improves retention and engagement with gamified learning experiences

1. Scales science education to schools and colleges without high-cost lab setups
2. Prepares future-ready students by fostering curiosity, problem-solving, and practical STEM skills

why our solution is unique and innovative?

AI Tutor | Gamified Experiments

Screenshots