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(51) International classification	:G09B 5/14, F01M 1/24, F01M 1/26, A01B 3/70, H05B 3/80	(71)Name of Applicant : 1)NOIDA INSTITUTE OF ENGINEERING & TECHNOLOGY Address of Applicant :19, Knowledge Park-II, Institutional Area, Greater Noida – 201306, Uttar Pradesh, India. Uttar Pradesh India
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(57) Abstract :

The invention discloses a Virtual Reality Platform (101) for Enhanced Teacher Training Simulations, integrating VR headset (107), scenario generator (111), AI-based student simulation module (112), performance assessment module (113), feedback engine (114), and cloud analytics (106). The system immerses teacher trainees in realistic classrooms, enabling them to practice instructional strategies, receive adaptive feedback, and improve pedagogical competencies in scalable, cost-effective, and repeatable environments. The invention bridges gaps in traditional teacher training by standardizing simulations while providing personalized, data-driven insights.

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