

Smart Science Lab

Smart Science or virtual laboratories have been developed to replace or supplement physical laboratories. The concept of virtual laboratories implies the replacement of real measurements with simulation. The science students and faculty of SPCGCA have access to the innovative Smart Science Laboratory.

This state of art laboratory operational in college provides an e-learning platform that employs computer simulations, animation, videos, etc. and imparts the student experience of practical experimentation without being physically involved, as they do in real-life laboratories.

The Virtual reality (VR) equipment creates artificial world which is seemingly real gives almost a realistic experience, alongside augmented reality (AR); AR involves overlaying visual, auditory, or other sensory information in order to enhance one's experience. This can help enthuse students to conduct experiments at the undergraduate level, post graduate level as well as to research scholars, provide various tools for learning, additional web resources, video lectures, animated demonstrations and self-evaluation.



