



THE Awards Asia 2020 - Technological Innovation of the Year

Institution Name	Chitkara University
Submission title or project name	AVR Innovations: From Dusk to Dawn
Nominee/key personnel	Dr. Archana Mantri
URL	https://www.curin.chitkara.edu.in/labs/augmented-and-virtual-reality
Submission	<p>Augmented and virtual reality learning tools are employed at Chitkara University to facilitate the education of students, from kindergarten to those studying engineering.</p> <p>Dr. Deeptipreet Kaur developed the Augmented Reality Learning Environment (ARLE) to enhance spatial visualization of more complicated engineering concepts, and her university colleague, Dr. Gurjinder Singh, discovered that the technical skills of 30 students who have access to AR technology is increased by 78.45% when compared with 30 students who are taught via more traditional methods.</p> <p>Dr. Bhanu has developed Augmented Reality based Instructional Design for K-12 education to teach the fundamentals of science to primary and secondary level school students.</p> <p>Both AR and VR technologies have enriched the education and training sectors, aiding 2,000 students and 50 teachers within two years.</p>