

# CAVE CAVE AUTOMATIC VIRTUAL ENVIRONMENT

### FACILITY DESCRIPTION

The CAVE is a 4-sided projection-based room-sized immersive VR system that enables users to collaboratively observe, interact, and manipulate naturally with virtual and real-world objects in life-size scale. The virtual environment provides more realistic interpretation of designs and allow users to make adjustment before making the actual product in various disciplines.

### DIMENSION

Left and right: 2.6 m (W) x 2.2 m (H),  
Front: 3.2 m (W) x 2.2 m (H), Floor: 3.2 m (L) x 2.6 m (W)

### SPECIFICATION

- 4-sided full-HD projection system
- 1 set of 5.1 surround sound system
- 6 motion capture cameras
- 2 tracking base stations
- 12 pairs of active stereo shutter VR (3D) glasses

### FEATURES

- High Performance: Interactive virtual environment creating authentic experience that brings greater engagement in training and education.
- Full Body Immersion: Experience and interact with the virtual environment with your full body for greater sense of presence.
- Embodied Interaction: Natural physical interaction which blends the physical world and a virtual world with no boundaries.

### EXAMPLES OF APPLICATIONS

- Develop and run Unity-based VR applications
- 3D visualization of 3D or BIM model
- Review of 360 video clips
- Interactive learning activities



e-booking

All staff & students are welcome

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