

## AUGMENTED AND VIRTUAL REALITY INNOVATION LAB

Augmented and Virtual Reality (AVR) lab provides specialized facility or workspace equipped with cutting-edge technology and equipment for research, development, testing, and exploration of AR and VR applications.

The **AR/VR Reality Innovation Lab** at Dr.M.G.R Educational and Research Institute is a state-of-the-art facility dedicated to exploring, developing, and applying Augmented Reality (AR) and Virtual Reality (VR) technologies. Established as a Innovation Lab sponsored by AICTE- MODRUB SCHEME to department of Mechanical Engineering. The studio fosters innovation and provides a collaborative environment for students, faculty, and researchers to design cutting-edge solutions in education, healthcare, entertainment, and industrial domains.

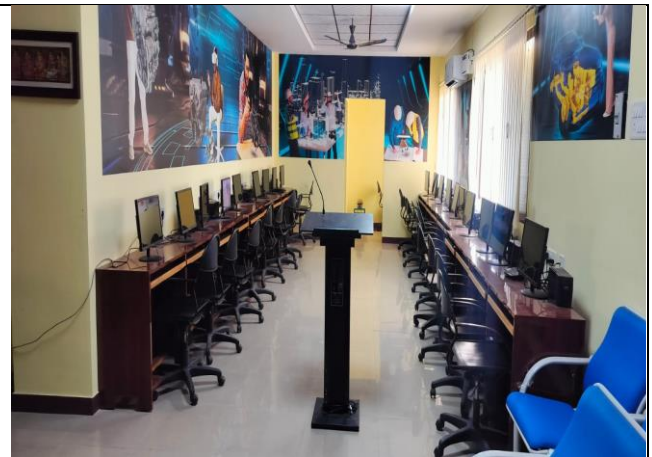


## OBJECTIVES

- ❖ Students will be trained on emerging technology AR and VR and can be made Corporate ready.
- ❖ Recruitment from Industry top players.
- ❖ Develop application platforms for specific skill development programs based on the industry needs and relevance.
- ❖ Produce new generation of entrepreneurs and incubates, who are ready to reap the benefits of the incubation and start-up facilities.
- ❖ To create a core group of researchers in AR/VR.



**AR/VR Lab Students Training**



**AR/VR Innovation Lab with Computers**



**PVR PGVR-PM-366 with HD Lens**



**AR 360 degree Capture Camera**



**Metaquest 2**



**Google pixels Hands**



**Android Interactive Display with Flexi Stand with Petals AR asset Suite Pro**



**Wireless Head Set**

## **FACILITIES**

- ❖ Meta Quest 2 Resident Evil 4 bundle - 1
- ❖ Petals Gesture Premium VR PGVR- PM-366 with HD Lens – 200 No.s
- ❖ Petals VR Pro PGVR-PRO-133D with Google Pixels Hand Set -5 Units
- ❖ AR 360° Capture Camera - 4
- ❖ Android Interactive display with flexi stands with Petals AR asset suite Pro - 2
- ❖ Wireless Headset - 10 units
- ❖ Petals AR Asset suite Pro for Unlimited users – 1
- ❖ 30 High Performance PC's