



## **A REVIEW ON AUGMENTED REALITY AND VIRTUAL REALITY IN ENGINEERING EDUCATION**

Assoc. Prof. Dr. Oğuz Çolak  
Anadolu University  
Engineering Faculty Mechanical Engineering Department- Turkey  
[oguzcolak@anadolu.edu.tr](mailto:oguzcolak@anadolu.edu.tr)

Assist. Prof. Dr. Lokman Yünlü  
Mehmet Akif University  
Engineering Faculty Mechanical Engineering Department- Turkey  
[lyunlu@mehmetakif.edu.tr](mailto:lyunlu@mehmetakif.edu.tr)

### **Abstract**

In this study, studies on the use of Augmented Reality (AR) and Virtual Reality (VR) applications in engineering education are shared. AR / VR technologies are used successfully in engineering design, production technology and maintenance engineering. It is expected that the use of AR / VR technologies in engineering education will decrease the cost of high cost hardware such as laboratories and devices to be used in education. This work includes a basic application of the use of AR / VR technology in the path planning of an industrial robotic programming.

**Keywords:** Augmented Reality, Virtual Reality, Engineering Education.