



## VRinVET Virtual Reality Classroom



Atılım University (<https://www.atilim.edu.tr/en>) was established in Ankara in 1996 by the Atılım Foundation and began its educational activities in 1997. As one of Turkey's leading foundation universities, Atılım has made significant progress in scientific research, quality education, and internationalization.

The university offers education through seven faculties (Engineering, Arts and Sciences, Fine Arts, Design and Architecture, Law, Business, Health Sciences, and Medicine), a vocational school, and two graduate institutes (Graduate School of Natural and Applied Sciences and Graduate School of Social Sciences). The primary language of instruction is English.

Atılım University has approximately 9,500 students, including nearly 1,300 graduate students. Its academic staff consists of over 500 faculty members, and the total number of university personnel exceeds 900. Each year, around 1,600–1,700 students graduate. A significant portion of its graduates work in fields such as engineering, law, psychology, business, information technology, and R&D, and they stand out as preferred professionals in the business world.

Atılım University boasts a strong scientific infrastructure with 9 research centers and more than 150 educational and research laboratories. The university actively participates in national and international research projects, particularly those supported by TÜBİTAK. It is also featured in prestigious rankings such as QS and THE and holds exchange agreements with European universities under the Erasmus+ program. With over 50 active student clubs, the university places great emphasis on sports and cultural activities.

With its modern infrastructure, research opportunities, qualified academic staff, and English-language programs, Atılım University offers its students not only academic success but also the chance to develop a global vision and career growth. Located in Ankara, its campus—surrounded by nature—provides a peaceful and well-equipped university life.





The VRinVET Virtual Reality Classroom has been established and equipped with 1 Meta Quest 3 and 20 Meta Quest 3S virtual reality headsets. The funding for the creation of this classroom was provided through the project titled "Enhancing the Quality of VET Education and Training through Innovation with Virtual Reality (VRinVET)", supported under the Erasmus+ Capacity Building in Vocational Education and Training (ERASMUS-EDU-2023-CB-VET) grant program.

The project aims to enhance the knowledge and skills of vocational education teachers in Albania, Algeria, and Azerbaijan in the fields of virtual reality (VR) and augmented reality (AR), as well as to strengthen the institutional infrastructures in these countries. Within the scope of the project, Atılım University is responsible for Work Package 3, which involves the development and digitalization of the VR and AR training program. In this context, the Meta Quest 3 and Meta Quest 3S devices used in the newly established classroom are Meta's latest standalone virtual and augmented reality headsets.

Meta Quest 3 stands out with its high-resolution display (2064x2208 pixels per eye), wide field of view, color passthrough mixed reality (MR) features, and powerful Snapdragon XR2 Gen 2 processor. It offers a high-level immersive experience through advanced sensors that support hand tracking, precise control, and realistic interaction. On the other hand, Meta Quest 3S is designed as a more affordable alternative. Although it shares a similar design, it has some limitations in terms of display resolution, processing power, and MR capabilities. The ability of both devices to operate independently without requiring a computer enables free and flexible VR/AR experiences.

Thanks to this classroom, beyond achieving the project's core objectives, Atılım University also plans to develop new undergraduate and graduate-level course content, offering students innovative learning experiences through elective courses. In addition, a dedicated research environment has been created for graduate and doctoral students to conduct theses and research in the fields of VR and AR. In the long term, it is anticipated that other departments with ready-to-use content will also benefit from this facility.

Furthermore, the established classroom will be utilized in the university's promotional activities, giving prospective students and their families the opportunity to experience Atılım University's innovative and technology-oriented educational approach firsthand.



