

MET-UP Vocational and Technical Education Application Platform

(MET-UP Mesleki ve Teknik Eğitim Uygulama Platformu)

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TÜRKİYE

The aim of this practice is to increase the access of girls and boys in the vocational and technical education system to a higher quality education process and to minimise time and travel constraints through augmented reality (AR) applications suitable for vocational and technical education. When the Platform is completed, there will be 150 AR items in MET-UP applications in five vocational fields. The items will include an English Language feature as well.

Geographical area

Türkiye

Period of implementation

17 March 2023 – 16 March 2024

Scope of the practice

The vocational education and training system, teachers and students

Educational level

ISCED 3 – Secondary Vocational Education

Introduction and context

The practice has been financially supported by UNICEF Türkiye and it is being directed by the Ministry of National Education Directorate General of Vocational and Technical Education (DGVTE). The AR items and Android and iOS applications have been designed and developed by vocational education students and teachers. Therefore, financial support is given by UNICEF Türkiye and the production phase is being driven by the DGVTE and the vocational schools.

The MET-UP Platform is being developed because digitalisation in VET makes education and training easier, faster, safer, more equal, and more inclusive. So, the MET-UP Platform is being prepared in order to improve the opportunity for all students to use expensive or unique equipment in a virtual world in a more economical and safer way. Also, AR technology only requires a smartphone and the internet which is technology that is generally available. Especially for vulnerable learner groups and those who are disadvantaged in terms of social and economic background, the MET-UP Platform improves the equality of access to education and training. On the other hand, the safe environment for practice through the MET-UP Platform reduces the likelihood of accidents for all VET students.

The MET-UP target group comprises of students in the VET ecosystem in Türkiye which is approximately 1.6 million students. There will be 150 AR items in the iOS and Android applications related to the subjects and learning outcomes in Industrial Automation, Electric-Electronic Technologies, Aircraft Maintenance, Renewable Energy, and Motor Vehicle Technologies fields.

UNICEF Türkiye funded the practice and it amounted to approximately 100 000 \$.)

Key activities and outcomes

All the work related to design and development of the application and its items has been implemented by the students and teachers in VET schools. iOS and Android applications of MET-UP were launched and 70 items in five fields were designed and developed. The MET-UP Platform was launched with a large information event with the participation of the decision makers and the applications are now being used by the students and teachers.



SOURCES

MET-UP application website
<http://meb.ai/DxJoEW>

Ministry of National Education, Directorate General of Vocational and Technical Education