Projects and Products Portal for Leonardo da Vinci

Interactive 3D in VET

2013-1-TR1-LEO05-47525

http://www.adam-europe.eu/adam/project/view.htm?prj=11236

Project Information

Title:	Interactive 3D in VET
Project Number:	2013-1-TR1-LEO05-47525
Year:	2013
Project Type:	Transfer of Innovation
Status:	running
Country:	TR-Turkey
Marketing Text:	interactive 3D in Vocational Education. With i3DVET project, there will be 3D learning materials for Vocational Education. Students will have lessons in 3D in a 3D laboratory. Project will improve students' learning motivation and their readiness for industry.

Summary:

This Project is shared among three partners mainly. There are two other partners who will be active for dissemination of project in Turkey. The Kossuth Zsuzsanna Vocational Training School from Hungary is exporting and Kizilcahamam Technical and Vocational High School from Turkey and Vistula University from Poland are importing partners. Ankara Directorate of National Education (Ankara DNE) and Kazan Businessmen Association (Kazan BA) are the partners for dissemination activities in Turkey.
Mainly, we aim to develop new curriculum units with using interactive 3D (i3D) technologies and adopt these units to vocational education by this project. So, vocational education and indirectly industry of beneficiary countries will be able to meet new technology applications at worldwide level. This new curriculum will motivate students which are called "digital youth" to study and will provide more permanent learning. Within the project process, teachers from Turkey and Poland will learn to develop i3D learning materials and they will continue developing these materials after the project due to labor market of country and school needs. Turkey will be the coordinator of this project to manage project as a whole. Hungary will lead to develop new i3D curriculum and provide training course and technological knowledge. Polish partner will be responsible for dissemination activities in coordination with Turkey and Hungary. Ankara DNE and Kazan BA will provide awareness and results of project in Turkey. There will be pilotting/testing period for new i3D materials in Turkey and Poland in order to ensure the success of project. Feedbacks from teachers and students will be given during pilotting/testing. Improvements will be done due to feedbacks in sync. Turkish and Polish partners will make staff exchange during project for 5 days to see each others classroom activities, teaching methods and effects of new i3D materials in each others schools. Teachers will evaluate new curriculum content applications and write a report for each other. Every country will also be responsible for dissemination in their country to create the best effect of project.
During project period, there will be 6 specialized i3D learning materials (3 Turkish & 3 Polish). These contents will be chosen by schools due to labor market and school needs.
This project will adopt new technology to vocational education of beneficiary partners. Improvement in motivation of students will provide effective learning and quality of education will improve. This improvement will rebound to industry as good production and qualified manpower.

Description:

Information and Communication Technologies (ICT) software are changing and developing day by day in parallel with developments (Savas and Topaloglu, 2011). Due to these developments, learning needs and students' behaviors are changing fast. In the 21st Century, quality of education and schools' functions will be determined by technological changes mostly (Ögülmüs, 2011).

Prensky called attention as the reality of difference between learning styles of today's students who grown with using digital media like internet, computer, mobile phones and learning styles of teachers who grown with using printed sources in his study (Prensky 2001a,b). Existing teaching methods can't motivate today's students to study. Teachers must follow changes in technology real-time. Currently, a new project named "Fatih" which aims to equip schools with new IT equipments is started

Project Information

in Turkey. However, there isn't any curriculum for effective usage of these equipments.

Effect of simulated virtual laboratory experiment instead of real materials on students' success is examined in a study of Bozkurt and Sarkoç (2008). According to the results, virtual laboratory student group is more successful and motivated than real laboratory student group. They also specified that virtual laboratory applications are cheaper than traditional methods and more permanent learning can occur with virtual systems. 3D technology which is called "virtual reality" in lots of article (Angelov & oth., Ik & oth.) is the last point of modeling the real life nowadays. Interactive 3D (i3D) representation provided an increase in the learners' ability to remember 37% longer than conventional learning methodology. Also Simulation based learning is 32% more effective with trained people and that people are confident to make decisions based on knowledge twice as quickly in previous project.

This project will introduce a digital vocational curriculum by using i3D technologies. This enables update learning methodologies to be used by teachers in vocational education. Developed i3D curriculums will meet the needs of the local businesses.

Themes: *** Labor market
* ICT
* Others
* Higher education

Sectors: * Information and Communication
* Education

Product Types: modules
DVD
CD-ROM
website
teaching material
program or curricula
others

Product information: Project products will be 3D learning materials for some vocational lessons. Project webpage, cds and dvds, posters, brochures, in-service trainings in Turkey, articles in journals.

Projecthomepage: www.i3dvet.com

Project Contractor

Name:	Kizilcahamam Vocational and Technical Anatolian High School
City:	ANKARA
Country/Region:	Ankara
Country:	TR-Turkey
Organization Type:	others
Homepage:	http://katem.meb.k12.tr

Contact Person

Name:	Serkan Savas
Address:	Akçay Mah. Yetitirme Yurdu Sok. No: 2A Kzlcahamam
City:	ANKARA
Country:	TR-Turkey
Telephone:	+90 312 736 00 40
Fax:	+90 312 736 00 42
E-mail:	serkan_savas@hotmail.com
Homepage:	

Coordinator

Name:	Kizilcahamam Vocational and Technical Anatolian High School
City:	ANKARA
Country/Region:	Ankara
Country:	TR-Turkey
Organization Type:	others
Homepage:	http://katem.meb.k12.tr

Contact Person

Name:	Serkan Savas
Address:	Akçay Mah. Yetitirme Yurdu Sok. No: 2A Kzlcahamam
City:	ANKARA
Country:	TR-Turkey
Telephone:	+90 312 736 00 40
Fax:	+90 312 736 00 42
E-mail:	serkan_savas@hotmail.com
Homepage:	

Partner

Partner 1

Name: Vistula University
City: Warsaw
Country/Region: Mazowieckie
Country: PL-Poland
Organization Type: university/Fachhochschule/academy
Homepage: http://www.vistula.edu.pl

Partner 2

Name: Kossuth Zsuzsanna Vocational Training School and Youth Hostel
City: Dabas
Country/Region: Közép-Magyarország
Country: HU-Hungary
Organization Type: others
Homepage: http://www.kzsdabas.sulinet.hu

Partner 3

Name: Kazan Businessmen Association
City: ANKARA
Country/Region: Ankara
Country: TR-Turkey
Organization Type: others
Homepage: http://www.kazankasiad.org.tr

Partner 4

Name: Ankara Directorate of National Education
City: ANKARA
Country/Region: Ankara
Country: TR-Turkey
Organization Type: others
Homepage: http://ankara.meb.gov.tr

Events

3D Material Development Training

Date	07.02.2014
Description	3D Material Development Training in Hungary
Target audience	Turkey and Poland Partners
Public	Closed event
Contact Information	http://katem.meb.k12.tr
Time and place	3-7 February 2014

Events

Kick-off Meeting

Date	19.12.2013
Description	Kick-off meeting of project is made in 19th December in Kzlcahamam.
Target audience	
Public	Closed event
Contact Information	http://www.cihan.com.tr/news/Mesleki-egitimde-3-boyut-donemi-basliyor_2059-CHMTIzMjA1OS8z http://www.soguksuhaber.com/kizilcahamam-haberleri/katemden-3-boyutlu-proje-h1711.html http://www.zaman.com.tr/ekonomi_mesleki-egitimde-3-boyut-donemi-basliyor_2185960.html http://www.kizilcahamamcitakhaber.com/katem-turkiyede-bir-ilki-gerceklestirdi-haber-1769.html http://www.kamuajans.com/egitimpersoneli/haber/mesleki-egitimde-3-boyut-donemi-basliyor-435953.html http://www.kizilcahamamanahaber.com/egitim/meslek-lisesinde-3d-egitim-donemi-h1101.html http://www.kizilcahamamhaber.com/3d-ders-programi-kizilcahamam-da-yapilacak_d20785.html http://www.mebpersoneli.com.tr/ekonomi/mesleki-egitimde-3-boyut-donemi-basliyor-h100394.html http://www.memurlar.net/haber/440532/ http://www.haberimport.com/haber/mesleki-egitimde-3-boyut-donemi-basliyor-317524.htm http://www.kirikhanolay.com.tr/ekonomi/mesleki-egitimde-3-boyut-donemi-basliyor-h361170.html http://www.malatyagercek.com/ekonomi/mesleki-egitimde-3-boyut-donemi-basliyor-h416221.html http://www.kizilcahamamhaber.net/haber/2715-kzlcahamam-teknik-ve-endustri-meslek-3-d-donemi.html http://www.haber3.com/mesleki-egitimde-3-boyut-donemi-basliyor-haberi-2378568h.htm http://kizilcahamam.meb.gov.tr/www/katem-egitimde-3d-transfer-projesi/icerik/26 http://www.kizilcahamam.bel.tr/?mod=haber-detay&id=5697
Time and place	19th December 2013-Kzlcahamam

Events

19th December 2013-Kzlcahamam