Projects and Products Portal for Leonardo da Vinci

EtoolCNC E-learning Tool for Maintenance of CNC Ecquipments

2009-1-PT1-LEO05- 03291

http://www.adam-europe.eu/adam/project/view.htm?prj=5892

Project Information

Title: EtoolCNC E-learning Tool for Maintenance of CNC Ecquipments

Project Number: 2009-1-PT1-LEO05- 03291

Year: 2009

Project Type: Transfer of Innovation

Status: running

Country: PT-Portugal

Marketing Text: 1. The aim of this Transfer of Innovation Project is to improve the quality and attractiveness of the European VET system by adapting and integrating innovative contents and results from our previous Leonardo da Vinci Project TEMA-CNC (www.tema-cnc.net) based on Diagnosis and Repair of failures in CNC Equipment;
2. This project aims for E-Learning System/Techniques to be used among the different partners who will participate in this project, and envisages focusing on E-Teachers and E-Tutors as the main beneficiaries in the transfer process; The Trainees level III VET qualification are also envisaged as they are the group that will test the results;
3. This will be achieved by:
Identifying and analysing targeted user requirements using ITC technologies as a basis of development of the project;
Selecting and analysing innovative contents to meet these requirements and analysing the feasibility of transfer;
Recognition, validation and certification by all partners involved in each one partner's National, Regional, local and/or Sectoral Training systems, of all products developed during the Project which will imply:
Adapting and standardization of all the contents to the Training Systems, Culture, Needs and requirements of targeted users (updating the products and other tasks) in each one of the partner's country;
Transferring of all developed products and implementation on each one of partner's VET system taking in consideration the different socio-cultural and linguistic contexts;
Testing of all developed products in new sectors or new target groups, including piloting it in public or private training structures;

We are sure this project will contribute for a better understanding and clarification of Vocational Training Systems in Europe and so the mobility of Europeans within the European Space will be the core of the European Union construction.

Summary: Partners of TEMA-CNC project (Nr. P/03/B/F/PP-159016), after testing the training Modules, have concluded that exists a need to implement a system for Recognition, Validation and Certification of Skills among the UE countries' members in the area of maintenance of Computer Numerical Control (CNC) equipments. Partners also agreed that an innovation transfer project should be presented, with new partners and the majority of the former partners with the following aims:
• To transfer and adapt the professional profile, the skills matrix and the training plan of that project for new partners and to create a common proposal to be presented to each country's National Qualification Certification Agency for Recognition, Validation and Certification of the Professional Skills of the Technician of Maintenance of CNC equipments;
• To use, improve and adapt the contents of all developed modules into a b-Learning system with an existing platform to be used by all partners and by Tutors and tested by Trainees from all countries;
• To install the evaluation kits on e-Tutors Portal (Project PT/05/B/F/NT-159110) and use the pedagogic contents and new services to be created in a new Transfer of Innovation Project for improving e-learning competencies for Tutors and to be tested by Trainees of the e-Tool CNC Project.
• To produce evaluation "Kits" for Diagnosis, Recognition and Validation of the existing Skills of the target population;
• To adapt some used machines to create didactic materials for practical simulation,

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training diagnosis and repair of CNC equipments for practical use of the Evaluation “Kits”and to create an evolution on training on CNC machines, applying remote control maintenance and retrofitting technologies with ICT support;
• To create a Partnership with an European approach with 10 Partners from 8 countries formed by Educational and Vocational Training Centres.
- Outcomes, Tangible products: Common Proposal developed by all Partners with a system for Recognition, Validation and Certification of Professional Skills of the Trainee with the qualifications to be certified as Technician on Maintenance of CNC Equipments; Improvement of the Web Site of the Project TEMA CNC in "www.tema-cnc.net", adaptation of the modules to an e-Learning platform and production of the Evaluation Testing "Kits”;
- Outcomes, Intangible products: Transfer of the VET System to other countries; Establishment of the standards and competence descriptions (learning outputs); Testing of procedures and recognition approaches in all Partners’ countries;
- Impact envisaged - This project involving Accreditation Entities in each country will have an impact on the effective Recognition, Validation and Certification of Professional Skills among the different countries participating in this project, that later can be extended to more countries with a great and effective impact on the mobility of European citizens within European Union.

Description: Description of the project:
1- To use, improve and adapt the contents of all developed modules into a b-Learning system with an existing platform to be used by all partners and by Tutors and tested by Trainees from all countries;

2- To produce evaluation “Kits” for Diagnosis, Recognition and Validation of the existing Skills of the target population;

3- To adapt some used machines to create didactic materials for practical simulation, training diagnosis and repair of CNC equipments, for practical use of the Evaluation “Kits”and to create an evolution on training on CNC machines, applying remote control maintenance and retrofitting technologies with ICT support;
4 -To transfer and adapt the professional profile, the skills matrix and the training plan of previous project “TEMA”, for new/all partners and to create a common proposal to be presented to each country’s National Qualification Certification Agency for Recognition, Validation and Certification of the Professional Skills of the Technician of Maintenance of CNC equipments;
5- Training E-Trainers and E-Tutors, to improve their competences in E- Learning ;
6- To Promote the inter-relationship and share of knowledge among the learning groups as stated above;
7 - To test the modules and evaluation Kits of this course in each partners’ country and to the target groups.

Themes:
*** Utilization and distribution of results
*** Labor market
*** Sustainability
*** ICT
*** Lifelong learning
*** Higher education
*** Recognition, transparency, certification
*** Open and distance learning
*** Enterprise, SME
*** Equal opportunities
*** Continuous training

Sectors:
*** Manufacturing
*** Professional, Scientific and Technical Activities
*** Information and Communication
*** Education

Product Types:
audio or video cassettes
CD-ROM
description of new occupation profiles

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	DVD evaluation methods modules material for open learning procedure for the analysis and prognosis of the vocational training requirement open and distance learning teaching material program or curricula website transparency and certification
Product information:	Project Development and Implementation of Training Modules; Adaptation of the modules to an e-Learning platform and production of the Evaluation Testing "Kits"; this will form the course on Technician on Maintenance of CNC Equipments; Common Proposal developed by all Partners consisting of a system for Recognition, Validation and Certification of Professional Skills of Trainees, with the Certification and Qualification as Technician on Maintenance of CNC Equipments; Improvement of the Web Site.
Projecthomepage:	www.etoolcnc.eu

Project Contractor

Name:	CENFIM
City:	Lisbon
Country/Region:	Lisboa
Country:	PT-Portugal
Organization Type:	continuing training institution
Homepage:	http://www.cenfim.pt

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Coordinator

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Partner

Partner 1

Name:	FAV - Fondazione Aldini Valeriani per lo sviluppo della cultura tecnica
City:	Bologna
Country/Region:	Extra Regio
Country:	IT-Italy
Organization Type:	continuing training institution
Homepage:	http://www.fav.it

Partner 2

Name:	GPI - Gesellschaft fur Projektentwicklung und Innovation mbH
City:	Bremen
Country/Region:	Bremen
Country:	DE-Germany
Organization Type:	others
Homepage:	http://www.gpi-bremen.de

Partner 3

Name:	ITT Dublin - Institute of Technology Tallaght
City:	Dublin
Country/Region:	Southern and Eastern
Country:	IE-Ireland
Organization Type:	university/Fachhochschule/academy
Homepage:	http://www.it-tallaght.ie

Partner 4

Name:	SKZ - Suddeutsches Kunststoff - Zentrum - SKZ ToP gGmbH
City:	Wurzburg
Country/Region:	Bayern
Country:	DE-Germany
Organization Type:	continuing training institution
Homepage:	http://www.skz.de

Partner

Partner 5

Name: BDGSZKI - Bánki Donát Gimnázium és Szakközépiskola
City: Dunaújváros
Country/Region: Közép-Dunántúl
Country: HU-Hungary
Organization Type: continuing training institution
Homepage: http://www.banki-duj.sulinet.hu

Partner 6

Name: FMA - Foundation for Training Qualification and Employment in the Metal Sector in Asturias
City: Gijón
Country/Region: Principado de Asturias
Country: ES-Spain
Organization Type: continuing training institution
Homepage: http://www.fundacionmetal.org

Partner 7

Name: Hjalmar Lundbohmsskolan
City: Kiruna
Country/Region: Övre Norrland
Country: SE-Sweden
Organization Type: public institution
Homepage:

Partner 8

Name: SCC - SOLSKI CENTER CELJE
City: Celje
Country/Region: Extra Regio
Country: SI-Slovenia
Organization Type: National Agency
Homepage: http://www.sc-celje.si/Strani/default.aspx

Partner

Partner 9

Name:	CINEL - Centro de Formacao Profissional da Industria Electronica
City:	Lisboa
Country/Region:	Lisboa
Country:	PT-Portugal
Organization Type:	continuing training institution
Homepage:	http://www.cinel.pt