

RESULTS OF THE EUROPEAN TRAINING PROJECT „LEONARDO DA VINCI” LLP/LDV/ 2013/RO/61 „EURO-COMP”

Cristiana CREȚU¹, Irina Irena NEAGOE²

^{1,2} Technical College Costin D. Nenițescu, Pitesti, Romania

¹ cristianacretu2005@yahoo.com, ² irina.neagoe@yahoo.com

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Abstract: *This paper presents the structure, the activities and the results of the European training project “Leonardo da Vinci”, LLP/LDV/2013/RO/61 „EURO-COMP”, coordinator prof. Zaharescu Magdalena, host country being Germany. The sending partner in this project was the Technical College “Costin D. Nenițescu” from Pitesti.*

1. INTRODUCTION

Technical College “Costin D. Nenițescu” Pitesti is an educational institution of vocational and technical education that contributes to the development of a quality, attractive technical and vocational education, providing equal opportunities for personal and professional development of each student, so that they can hold a job and to continue training throughout their lives.

Internationally, Technical College “Costin D. Nenițescu” Pitesti has relationships with educational institutions and enterprises in Germany with which have developed 30 training projects within the European Program Leonardo da Vinci.

The main foreign partners are: Berufskolleg Uerdingen Krefeld Germany, Bayer Company - Uerdingen, Leverkusen, Wuppertal (multinational company) subsidiaries, Siemens Company – Krefeld branch (multinational company), Alberding Boley Company, Stockhaus Company, University of Krefeld, Volkshochschule – Krefeld, The Research Institute of Bayer Company in Monheim, Chamber of Commerce and industry of the region Northern Rhénania Westphalia, Town Hall of Krefeld.

This Romanian-German cooperation is an example of success for international partnerships. The first group of German students came to our school in Pitesti in 1998 and the collaboration between the two institutions has grown every

year. The projects carried out jointly by the two schools were designated repeatedly as example of good practice at European level.

The practical training periods conducted during these projects are certified by the Europass Mobility act and are recognized in Romania, by the European credit transfer system in the technical educational system - ECVET.

The results of these projects have had a significant impact over both participating students and the institution.

The activities in these projects were supported by the Town Hall of Pitesti, The University of Pitesti, The County School Inspectorate and The Teacher Training House in Arges County.

The Technical College "Costin D. Nenițescu Pitesti" is a true ambassador for our city and Romania in Germany, helping to promote local and national values in Europe.

2. LLP /LDV/2013/RO /61 „EURO-COMP”

Between 05.05 -18.05.2014 the European training project “Leonardo da Vinci” took place, LLP/LDV/2013/RO/61 „EURO-COMP”, coordinator prof. Zaharescu Magdalena, host country being Germany [4].

Topic: *PROMOTING THE ECVET SYSTEM IN SKILLS ACQUISITION IN THE FIELD OF ELECTROMECHANIC AND AUTOMATION;*

Participants: 12 students from the Technical College "Costin D. Nenitescu" : 9 technician in automation - Class XI; 3 electromechanical technician - Class XI;

Sending Partner: Technical College "Costin D. Nenitescu" Pitesti.

Receiving Partners:

- Berufskolleg Uerdingen Krefeld Germany;
- Siemens Company, Krefeld Branch - Professional Training Center, Germany.

The specific objectives of the project aimed at developing the participants' skills through:

- develop the professional skills of the 12 participants with automation technician qualifications and electromechanical technician in ECVET system;
- develop social and intercultural skills of the participants in an international environment;
- develop the participants' communication skills in English.
- strengthening of the cooperation relationship between our schools and the European partner institutions by promoting the ECVET system.

Organization of practical activities:

- practical activities carried out successively, individual / groups in the two receiving institutions;
- the Romanian students were counseled by the German students;
- German trainers both at BKU and Siemens Company AG;

- mentor: prof. Irena Neagoe; monitor: prof. Cretu Cristiana;
- project coordinator: prof. Zaharescu Magdalena;

Practical activities at Berufskolleg Uerdingen

- achievement of electric schemes: fixed electrical installation, start the DC electric motor, DC electric motor reversing, multivibrator circuit, simulation of logic functions by software.
- measurement and monitoring of process parameters of the achieved circuits,
- interpretation of the results after measurement and monitoring

Practical activities at the Training Center of Siemens Company AG

- solving DC networks based on Ohm's Law, Kirchoff's laws;
- practical manufacture of the studied DC systems;
- specific measurement of DC networks;
- comparison of theoretical and experimental data;
- practical applications: the power divider, the voltage divider;
- measuring electrical quantities specific to these applications; comparison of theoretical and experimental data
- Accomplish the schemes for starting the DC motor, monitoring of specific sizes.

The final evaluation was conducted by a practical test where all 12 participant students received the maximum grade, 10.



Figure 1. Practical activities at the Training Center of Siemens Company AG

Certification consisted of:

- Training Certificate issued by Berufskolleg Krefeld Uerdingen;
- Training Certificate issued by SIEMENS AG;
- Europass Training document;
- Language training certificate - College Nenitescu.

3. OBTAINED RESULTS

The main results obtained through the project, for participants and institutions, will be:

- 12 participants with new professional skills in the field of automation and electro mechanics, with improved skills and competencies to work in a team in

an international context and a better ability to communicate in English;

- developing the European dimension of vocational training in the applicant school through cooperation with European institutions in the practical training of students;
- increasing school prestige and attractiveness as an ECVET education institution, locally and regionally;
- Strengthening partnerships with European institutions in the field of ECVET.

4. CONCLUSIONS

The products made through the project will be:

- an auxiliary curriculum developed by the electro – mechanical department based on materials used during the mobility period;
- DVDs with all of the project results;
- a photo album with representative images of the project;
- a PowerPoint presentation of the project in English and Romanian; the project website;
- Leaflets with key information on the project, in Romanian and English.

5. REFERENCES

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