

Meeting Minute

Second Transnational Meeting
Pitesti, Romania
February 6th & 7th 2014

Participants

Xabec Vocational Training Centre	Mr. Antonio Mir Mr. Guillermo Ferrando Mr. Fernando Navarro (via Skype) Mrs. Mariamar Cervantes (via Skype)
Savo Consortium for Education	Mr. Ari Tolvanen Mr. Ilkka Kemppainen Mr. Tatu Hirvonen
University of Pitesti	Mr. Robert Beloiu Mr. Ionel Bostan Mr. Nicu Bizon Mrs. Mariana Iorgulescu Mrs. Luminita Constantinescu
Val do Rio Vocational Training Centre	Mr. Cláudio Gonçalves Mr. Nuno Mendes
South and City College Birmingham	Mr. John Hillen Mr. Mohammed Naz Kahn
Meram Vocational School	Mr. Ömer Tezal Mr. Abdi Kalan
Lycée Polyvalent Isaac Newton	Mrs. Evelyne Laroche-Joubert Mr. Yannick Villeneuve

First day

1. Welcome and Introduction to the meeting

Mr. Antonio Mir and Mr Robert Beloiu welcomed the participants of the meeting. Mr. Nicu Bizon gave short greeting message to the guests as a representative of the Rector of the University of Pitesti and as the Dean of the Faculty of Electronics, Communications and Computers.

Mr. Robert Beloiu projected a short presentation of the University of Pitesti, Department of Electronics, Communications and Electrical Engineering. It was shown some representative places of Arges county and Pitesti. He presented the facilities in DECEE as far as research (both national and international projects), mentioning its involvement in LLP projects, among which is also the “one2one” project. He presented the international events in which the FECC is

actively involved as organiser. Also he presented the educational resources of UPit and some results of graduation projects of its students.

2. Workshop 1: VET Systems in each country

Each partner presented the educational system in their own country.

One aspect that is common to most participant countries is the fact that students can follow different educational paths. Some systems are more flexible than others in the sense that once a student chooses one path, he can have access to higher levels of education.

The main conclusion is that is good to keep in mind the particularities that are important for each of them. For instance to understand the situation of the Romanian situation it is important to know about its recent history in general, and in particular of the education.

3. Workshop 2: Level 1 - ProjectX Presentation

Each partner presented the Level 1 of the three ProjectX they are developing in their organisation:

- P0 Xabec
 - BALANCING A DIRECT DRIVE FAN
 - SPLIT SYSTEM: PIPE REPAIR, F-GAS CHARGE AND TEST
 - MAKING A PORTABLE WORK-BENCH
- P1 SAVO
 - REPLACING BEARINGS IN ELECTRIC MOTORS
 - PRODUCT MANUFACTURING CNC-ASSISTED LEARNING
 - PUMP AND ELECTRIC MOTOR ALIGNMENT
- P2 U. Pitesti
 - STARTING OF THE INDUCTION MACHINE
 - IMPLEMENTATION OF DIGITAL FREQUENCY DIVIDERS
 - CHECKING THE PERFORMANCE AND LOAD CHARACTERISTICS OF AN INDUCTION MACHINE
- P3 SCCB
 - HANDLING FLUORINATED GASES AND OZONE-DEPLETING SUBSTANCES (CATEGORY 1 PERSONNEL)
 - APPLY SCIENTIFIC PRINCIPLES TO PRACTICAL VAPOUR COMPRESSION SYSTEMS
 - ELECTRICAL INSTALLATION 2365 L2 (UNIT 204) INSTALLATION OF WIRING SYSTEMS AND ENCLOSURES

- P4 Val Do Rio
 - RESISTANCE CODE AND OHM'S LAW
 - SIGNAL MEASURES ON CATV AND IPTV
 - SOLDER ELECTRONIC COMPONENTS
- P5 Meram Vocational School
 - BASIC LOGIC GATES
 - INSTALLING HOME SATELLITE SYSTEM
 - CCTV SECURITY CAMERA SYSTEM
- P6 Lycée I. Newton
 - INDUSTRY RISK ANALYSIS
 - ELECTROTECHNIC WIRING HARNESS FOR A MOTOR STARTER
 - ELECTRICAL POWER QUALITY ANALYSIS ELECTRICAL PROTECTION

In project presentation it was outlined the learning outcomes. It was concluded that the project developed by Lycee I. Newton related to Industry risk analysis could be applied in all participant schools. It was mentioned the projects made by Val Do Rio as being oriented on partner companies, and that all partners should try to follow their example.

It was mentioned that maybe the project “Starting of the induction machine” developed by UPit team could be too high as far as learning outcomes and knowledge level. For this project, the author asked for some instructions as far as necessary time and EQF level.

Second day

1. Visit to University of Pitesti

The day starts with a visit at the University of Pitesti at the location where the ProjectXs will be implemented.

Though the laboratories of the University of Pitesti are small and with limited resources, the one2one team encourage the Romanian team to keep continuing their good job in educating young for Romanian society. The project team agrees that some developed ProjectX can be applied in Romania. It was mentioned that the electrical and electronic ProjectX could be applied in Romania. Also Xabec has the possibility of student/teacher mobilities in the field of PLCs and their application in electrical installations, even though the proposed ProjectXs are more focused on mechanical applications.

The team visited the laboratories:

- Electric Drive Systems – where it was presented the equipments the students are going to use when it will be done the mobilities. In this laboratory students can work the ProjectX: Starting of the induction machine, both wiring the motor and the command with PLC of different types.
- Electric Machines – where the students could work on the “Implementation of digital

frequency dividers” and “Checking the performance and Load characteristics of an induction machine”.

There are plans for developing and assigning a bigger educational space for these laboratories in a new campus that is built in a different location in Pitesti.

2. Workshop 3: Guidelines to Make Project X

In this workshop Mr. Antonio Mir and Mr. Guillermo Ferrando presented the guidelines for making ProjectX at all 3 levels.

The UK team raised a question related to different machines a student could find in different schools. The teacher should prepare the information so when the student arrives in to the host school, he/she knows what to do in order to study that ProjectX.

The UK raises a problem of language related to gender equality. They said that instead of using she/he, it should be used a more impersonal expression: they, them, their. Toni suggested that the UK team could help in correct the English of the ProjectX.

The importance of keeping contact with companies to develop ProjectX was mentioned. And the Portuguese ProjectX were mentioned as a best practice, as their projects started from the collaboration with local companies.

It is mentioned the importance of mobility of students in Erasmus+ programme and the fact that the one2one project will be included in international database so that other schools will use it if they want to. For this reason the final products of the project should be clear and easy to understand by anyone who read it.

The objectives should be clear so that the mobility could be recognised by the sending school.

At the moment each school should focus on developing level 2 of the ProjectX. At this level it should be indicated what a student should do. It should describe what it can be done in each school that promotes that ProjectX.

As far as evaluation, it is raised this question: how an evaluation could be done because it is going to be in English. Then there might be mistakes because a student doesn't know the English word even if he/she knows what he/she wants to say. The conclusion is that the student should know the ProjectX in advance and with his/her teacher at his/her school should study what it is about.

It is important to define well the Learning Outcomes. It could be good to use LO of TOPMOST project which are already on the Internet.

For the meeting in Portugal, it should be done the guidelines, which is 90% of the technical part of the project.

The presentation of the projects should be enthusiastic so that students are motivated to



participate in a mobility program.

For us it is more important the practice than the theory.

3. Workshop 4 Management Issues

This workshop was done via Skype.

In this workshop the Project Manager presented the Quality Management Plan (QMP), the Valorisation and Sustainability Plan (VSP) and some points of the financial reports were reviewed.

Both QMP and VSP were built using the information partners sent after the kick-off meeting, and the first version was sent before the meeting.

- **QMP:** The objectives and aims of the plan were presented. For each result there is a set of indicators, and for each indicator the plan stipulates how and when the data is going to be collected and how and when the report will be done.

The quality plan uses the deadlines of the schedule presented during the kick-off meeting.

It was also presented a tool developed in excel that allow to monitor all the project's milestones and their intermediate tasks.

- **VSP:** The objectives and target groups were presented as well as a list of activities that partners can do in order to disseminate the project.

Mariamar reminded all partners how to include their details of the visual identity of the Lifelong Learning Program and the one2one project in their dissemination activities.

- **Financial Report:** As the first financial report is close, Mariamar mentioned the deadlines for reports and the information it have to include. Every partner will have the second pre-payment will be after their first report is approved.

4. Workshop 5: Website

This workshop was done via Skype

Fernando presented the main features of the project website (<http://projectxone2one.eu>)

- **Public Website:** Contains information for the general public. It has information about project results, dissemination activities and results of international meetings
- **Private website:** The main objective is that the website be the communication and exchange platform between partners.

Each partner is allowed to upload files and to create new publications. This is useful in particular for the technical documents and dissemination activities.

National Agencies, authorities and other interested schools could have an username and password in order to see the private website.

5. Meeting Evaluation and final remarks

Participants from United Kingdom offer to proofread the document “Guidelines to Make ProjectX” and the main contents in the website.

Deadlines: The deadline to fill in the template provided by SAVO about generalities of VET system is February 28th. An action plan for the following months including the deadlines will be provided by the project technical manager during the first week after the meeting.