Project Acronym: MEDIS

Project Title: A Methodology for the Formation of Highly Qualified Engineers at Masters Level in the Design and Development of Advanced Industrial Informatics Systems

Contract Number: 544490-TEMPUS-1-2013-1-ES-TEMPUS-JPCR

Starting date: 01/12/2013   **Ending date: 30/11/2016**

Deliverable Number: 6.2

Title of the Deliverable: Quality assurance - Evaluation of the implementation of AIISM

Task/WP related to the Deliverable: WP6 Quality assurance

Type (Internal or Restricted or Public): Internal

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Context

WP 6.2	Report of the evaluation results of the implementation of AIISM pilot course
WP Leader	UPV
Task 6.2	Quality assurance - Evaluation of the implementation of the AIISM
Task Leader	UPV
Dependencies	
Starting date	
Release date	

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History

Version	Date	Author	Comments
0.1		Carlos Domínguez	Preliminary version
1.0			Report on WP1.x - Design of the AIISM-PBL methodology
2.0			Report on WP2.1 - Development of AIISM teaching resources - Industrial Computers
3.0			Report on WP2.2, WP2.3, WP2.4, WP2.5 - Development of AIISM teaching resources
4.0			Report on WP3.1 - Adaptation of AIISM to specific curricula in PC - Analysis of curricula of PC
5.0			Report on WP3.2 - Adaptation of AIISM to specific curricula in PC - Integration

			of AIISM in the curricula
6.0			Report on WP4.x - Training of teachers and staff
7.0			Report on WP5 - Implementation of AIISM
8.0			Report on WP7 - Dissemination
9.0			Report on WP8 - Exploitation

1 Executive summary

This deliverable lists the reporting documents on the assessment of the different WPs in MEDIS Tempus Project.

2 The work package 6

To guarantee that AIISM is adequately implemented, in WP6 the evaluation criteria will be defined and applied to the different phases of the project.

A previous report, deliberated as part of the WP6.1, defines the quality criteria to be applied to the rest of the WPs.

The current report is deliberated as part of the WP6.2, and introduces the reporting documents of the different WPs.

3 List of the assessment reports

The following are the reporting documents on the assessment of the different WPs:

WP1 - Design of the AIISM-PBL methodology

All the Deliverables of the WP1 accomplish specified AIISM contents and structure. All the material has been tested by EU partners, showing good results thus enabling its use for PC partners. The contents are considered adequate and with a PBL-based structure as specified in the initial bases of the TEMPUS-MEDIS project.

All the deliverables were properly generated within the established deadline.

WP2 - Development of AIISM teaching resources

The materials that make up the WP2 are as specified in AIISM structure and contents. The EU partners have previously made different experiences with the material to ensure that it can be used without problems and enabling its use for PC partners. As specified in the TEMPUS-MEDIS project bases approved by the European Commission, the developed materials conform to them with the best structure for a PBL-based model.

All the deliverables were properly generated within the established deadline.

WP3 - Adaptation of AIISM to specific curricula in PC

There has been a great predisposition on the part of the PC partners in everything related to the implementation of the contents of the AIISM, adapting their specificities of curricula, schedules, regulations, etc. to be able to use in an appropriate way the material generated in the TEMPUS-MEDIS project. The PC partners have facilitated in time and form all the specific aspects of their curricula containing real adaptation needs.

The EU partners have made the proposals that have made possible to adapt the AIISM methodology to the curricula of the eight masters, corresponding to the PC partners.

These criteria have been met within the deadline established in the initial project plan.

WP4 - Training of teachers and staff

It was decided to conduct a survey that could provide us with information related to staff (PC teachers, technicians, administrative). The idea is to know by the PC teachers if real situations arise during classes and how they solved them. By the part of the technicians the

idea was to check if they understood how to set-up the laboratory resources. Finally we needed to know if the administrative performed the ECTS translation by proposing real cases.

In general the answers they have given can be qualified as positive, since there are a high proportion of responses indicating their higher percentage of greater satisfaction.

Both the technicians and the administrative staff agree on a high percentage of satisfaction. This is the case of technicians in which all respondents are in complete agreement. The information given by the administrative staff is that most of the universities are already making use of ECTS, so they do not find it new.

78.9% think that the proportion of time allocated to implementation has been sufficient and with a good balance between theory and practice.

An important fact is that 73.7% believe that the introduction of the new methodology developed within the framework of the TEMPUS-MEDIS project increases the motivation of the institution for the use of ECTS within the teachings.

A high percentage (78.8%) believes that the methodology introduces well the teaching using PBL. This part was only answered by the teachers since the rest is not representative.

A total of 93.9% are totally satisfied with the implementation of the modules which is a good indicator with respect to the initial design of the contents

WP5 - Implementation of AIISM

The initial plan of the project was the implementation of the AIISM programme as a pilot course of 15 students at each PC University. Our expectations have been overwhelmed because the AIISM has been implemented not as a pilot course but as real courses of the masters' programmes of the PC universities, reaching numbers of 96 registered students per course in some of the universities. This could be considered as a big success, considering that this implementation is performed for the first time at the PC universities. Thanks to the intense collaboration and hard work of the PC and EU staff (teachers, administrative and technicians) the AIISM is now a reality at the PC universities.

The support received by the EU partners has been effective; the ways mainly used were e-mail, videoconferencing, face-to-face meetings, etc. In this way there has been a fluid dialogue during the development of the project that has allowed a correct implementation of the AIISM methodology

WP7 - Dissemination

Throughout the project, around 75 papers have been published both in international conferences and journals. This part has been an important work to be able to disseminate everything developed within the TEMPUS-MEDIS project.

A web portal has been developed where all the information generated in the project has been collected and kept updated so that it could be consulted by both the participating institutions in the project and the rest of the world.

Also was developed a channel on YouTube where the videos generated in the project have been advertised (https://www.medis-tempus.eu/medis-youtube-channel/).

The reports have been disseminated in different media channels such as local and national newspapers. There has also been news about the different events on local TV.

It could be said that about 50 impact news have been generated

The different publication materials can be consulted at:

https://www.medis-tempus.eu/publications/

The produced reports are public and can be found in the following link:

https://www.medis-tempus.eu/

WP8 - Exploitation

The network of stakeholders has been established. We can indicate that there have been about 100 groups potentially interested in the TEMPUS-MEDIS project, among which are

companies, professional associations, academics, alumni, etc.

These groups have been contacted and have been sent all the information related to the TEMPUS-MEDIS project.

Some of the stakeholders from which the MEDIS project has received support are:

- AIC (Association of Innovative Compnies)-Technopark Alatau
- First BIT-Kaz
- IT Ukraine
- Bull
- Coiti
- FESTO
- TOB
- IT-Кpacтep
- Video_Internet_Technologies
- Miratech
- Metso
- Outotec
- PetrSU
- Popektopy

In fact the letters received from companies that support this interest are located in: https://www.medis-tempus.eu/stakeholders/