

Telecommunications Engineering Department Yarmouk University

Work package No. 1

Deliverable number: 1

Title: Review of Existing Curriculum

Period: 5 months (due by April, 1st)

Wokgroup Leader: Dr. Bassam Harb

Work Group Members

- Dr. Bassam Harb (YU)
- Dr. Haythem Bany Salameh (YU)
- Dr. Ahmad Al-Shamali (YU)
- Dr. Mohamed Nezami (YU)
- Dr. Asem Al-Zobi (YU)
- Dr. Natheer Rawashdeh (GJU)
- Dr. Ahmed Nimrat (HU)
- Dr. Juan Reig Pascual (UPV)
- Dr. Yasir Alfadhli (QMUL)
- Dr. Hrishikesh Venkataraman (DCU)
- Telecom Industry

Del. 1: Review of the Existing Curriculum

- **Objective:** Review and evaluate the problems associated with the existing master curriculum. The Review process will result in a report which will be used at the curriculum development process. This review includes:
 - Preparing the documentation of the existing program.
 - Review and assessment of the existing program courses.
 - collecting data and statistics from the target audience of the program.
 - provide comparisons with EU programs.
 - provide feedback about the latest courses and teaching methodologies taught at EU.
 - hold review meetings.

Methodology

- Meetings with local telecommunication industry representatives
 - Discuss the weaknesses and strengths of the existing curriculum.
 - Collecting data (questionnaires)
- Meetings with the academic staff members of the EU partners
 - discuss compliance of the existing program with the EU relevant programs.
 - Collecting data (questionnaires)
 - Collecting data about relevant programs in EU

Methodology

- Drafting a comprehensive review report
 - Statistical data on program
 - Statistical data on individual courses
 - Relevance to local industry needs
 - Relevance to similar EU programs
 - Suggestions and recommendations for the curriculum development process of the new programs

Workgroup Activities

- Started early November
- Preparation of a summary of the existing MSc program
 - List of List of courses.
 - Courses syllabi and descriptions
 - Number of current students.
 - Average number of annual intake.
 - Current teaching methodologies.
- Preparation of three different curriculum review/assessment forms.
- **Meetings**
 - Four meetings for YU staff involved
 - Two meetings with representatives of local industry—very successful -around 30 people attended.

Review Forms

- Form A to be filled by YU, HU Professor.
- Form B to be filled by EU Professors.
- Form C to be filled by experts from the local industry.
- Individual course evaluation forms
 - for local partners
 - for EU partners.
 - For students



Telecommunications Engineering Department
Yarmouk University
Project: 511074-TEMPUS-1-2010-1-JO-TEMPUS-



Form A: Curriculum Review Form-Local Partners

Reviewer's name & title: _____

1. Are the admission requirements for the program appropriate? Yes No N/A.
Please provide comments/suggestions:

2. Are the provided course descriptions informative and complete? Yes No N/A.
Please provide comments/suggestions:

3. Do the current offered courses give solid knowledge in wireless communications?
 Yes No N/A. Please provide comments/suggestions:

4. Does the current curriculum provide the graduates with enough knowledge and skills for future competitive and changing markets? Yes No N/A. Please provide comments/suggestions:

5. Does the reviewer see any redundancy in the program courses? Yes No N/A.
Please provide comments/suggestions:

6. Does the program provide the students with strong analytical background for continued formal education at the doctoral level? Yes No N/A. Please provide comments/suggestions:



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Form B: Curriculum Review Form-Local Industry



Reviewer's name & title:

1. Is the current master degree program based totally on theoretical teaching? Yes No N/A

Please provide comments/suggestions:

2. Are the program courses relevant to your organization? Yes No N/A

Please provide comments/suggestions:

3. Based on your review of the current master degree program, with regard to the current tools, facilities, and laboratories used, are they relevant to your organization? Yes No N

Please provide comments/suggestions:

4. Does the current master program provide graduates with skills necessary for industrial research programs? Yes No N/A Please provide comments/suggestions:

5. Does the master program follow the rapid development in communication industry?

Yes No N/A Please provide comments/suggestions:

6. Do the existing curriculum technical contents enhance the employability of graduates at your organization? Yes No N/A Please provide comments/suggestions:



Form C: Curriculum Review Form-EU Partners

Reviewer's name & title: _____

1. Are the admission requirements for the program appropriate? Yes No N/A. Please provide comments/suggestions:

2. Are the provided course descriptions informative and complete? Yes No N/A. Please provide comments/suggestions:

3. Do the current offered courses give solid knowledge in wireless communications?
 Yes No N/A. Please provide comments/suggestions:

4. Does the current curriculum provide the graduates with enough knowledge and skills for future competitive and changing markets? Yes No N/A. Please provide comments/suggestions:

5. Does the reviewer see any redundancy in the program courses? Yes No N/A. Please provide comments/suggestions:

6. Do the current master courses contribute effectively to an overall master program in wireless?
 Yes No N/A. Please provide comments/suggestions:

Where We Are

➤ Meetings

- Four meetings for YU staff involved
- Two meetings with representatives of local industry—very successful -about 30 people attended

➤ Forms have been sent with the necessary materials for the curriculum review process, beginning of December, 2010

- Reviews from UPV Professors received
- Reviews from DCU and QMUL still pending
- Reviews from local students done at the end of Semester .
- Reviews from industry still pending

What is Next

- Collect all the data
- Meeting with EU partners' staff involved
- Statistical Analysis of data
- Formulate a review report
- Possibly publish a paper on the review process

Open Discussion