

About Tempus Programme

Tempus stands for Trans-European Mobility Scheme for University Studies (TEMPUS) A European Union's program which supports the modernization of higher education in the Partner Countries of Eastern Europe, Central Asia, the Western Balkans and the Mediterranean region, mainly through university cooperation projects. The Education, Audiovisual and Culture Executive Agency (EACEA) is responsible for the management of Tempus

Themes

1. Curricular reform
 - ECTS, 3 cycles, diploma supplement
2. Governance reform
 - University management and student services
 - introduction of quality assurance
 - institutional and financial autonomy & accountability
 - equal access to HE international relations
3. Higher Education and Society
 - Training of non-university teachers
 - development of partnerships with enterprises knowledge triangle
 - training courses for public services (Min./ local auth.)
 - development of lifelong learning
 - qualifications frameworks

Actions

1. Joint Projects, implemented at institutional level to reform curricula, improve university governance, create more links with society.
2. Structural Measures, implemented at national level for the development and reform of national higher education structures and systems in PC .



**Telecommunications
Engineering Department
Yarmouk University**



**An Industry Oriented MSc. Program
in Telecommunications Engineering
Towards an EU Approach**

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I. Project Objectives

- To reform and modernize the existing Yarmouk University Master programme in Wireless Telecommunications including curricula, teaching methodologies, quality control, and to establish new up-to-date tracks in related areas.
- To enhance student learning outcomes and skills to meet local market needs and international best practices through the building of technical capacity at YU and local partner institutions.
- To converge our study programs with the EU educational system with regard to the Bologna process and achieve academic and professional recognition of YU programmes within the EU (which will also contribute to intercultural interaction).
- To help local project establish and implement their MSc programs in telecommunications engineering at their institutions.
- To help the EU partners to learn more about the needs, capacities and educational approaches of the partner institutions in Jordan, and, to better understand the needs of both local and international industry.

II. Summary of Funding

Project Acronym	MTE-EUA
Funding Agency	The Education, Audiovisual and Culture Executive Agency (EACEA) - European Union
Programme	TEMPUS
Sub-programme	Joint Projects
Call for proposals	EACEA No. 28/09
Action	Curricular Reform
Project Duration	3 years
Total Budget	937,000 EUR
Partner Institutions	GJU, HU, DCU, QMUL, UPV

III. Project Activities

- Review of existing curricula
- Demand and competition analysis of local market
- Professional development of academic staff
- Curriculum and course material development
- Accreditation of the new programs
- Modernization of lab equipment
- Student training at EU partner institutions
- Management of the project
- Dissemination of the new programs

IV. Project Outcomes/Outputs

- Curriculum development of three MSc. programs: Wireless Communications, Telecommunications Network Management and Wireless Networking.
- A network of collaboration with local telecom industry.
- A network of collaboration with EU institutions.
- Professional development of YU academic staff.
- A quality control unit for the new programs.
- Modern Lab Equipment.

V. About Partner Institutions

1. Yarmouk University (YU)

Established in 1976, Yarmouk University has a history of implementing successful engineering programs in various disciplines of Electrical Engineering through its engineering school – the Hijjawi Faculty for Engineering Technology (HFET). The Telecoms Engineering Dept. at HFET was established in 1989 and offers engineering programs of study leading to the BSc. and M.Sc. degrees in Telecoms Engineering. The dept. has 16 faculty members around 800 students at BSc. level and 40 students at MSc level.

2. German Jordanian University (GJU)

The German Jordanian University was established in 2005. The School of Technological Sciences (STS) at GJU offers three study programs, Maintenance, Mechatronics, and Industrial Engineering. STS is actively involved in partnerships with local industry and all its programs were tailored toward industrial needs. GJU was involved in several successful projects including a previous Tempus project.

3. Hashimite University (HU)

The Electrical Engineering department at the Hashemite University (HU) supports professional engineering education and research in various areas of applied sciences and technologies through its infrastructure, human resources and facilities. The dept. at HU has plans to start an MSc program in Telecomm. Engineering through the project.

4. Dublin City University (DCU)

Establishment in 1989, DCU is ranked in the THE-QS top 300, focused university with very high research activity. The dynamic and innovative School of Electronic Engineering in DCU operates 4 undergrad engineering programmes accredited by Engineers Ireland. The School operates post-grad programmes in Electronic Systems and Telecommunications. There are currently 219 students registered.

5. Queen Mary University of London (QMUL)

QMUL is one of London and the UK's leading research-focused higher education institutions. QMUL was ranked within the top 20 in the UK in the December 2008 Research Assessment Exercise (RAE).

6. Valencia Polytechnic University (UPV)

The Telecommunications Engineering School of the Universidad Politécnic de Valencia (ETSIT-UPV) is one of the known institutions for telecommunication engineering in Spain. ETSIT-UPV offers a Masters program in Telecommunications Engineering (MTE) and a Masters in Technology, Systems and Communications Networks (MTSCN). The MTE program is oriented to a professional activity focussed on the industry market demand.