

Middle Eastern Partnership in Sustainable Engineering

Tempus Project

Summary:

The project proposes “Middle Eastern Partnership in Sustainable Engineering”. Sustainable engineering comprises of the idea that appropriately designed products, technologies, production systems and services are critical to social and economic performance of industrial sector across partner countries (PCs). This concept fits into the development strategies of both PCs.

ME-Eng aims to strengthen the relevance of higher education and to contribute to lifelong learning (LLL) in PCs. The main objective is to develop, implement and accredit a new modular MSc Programme in: 1) Maintenance Engineering and Quality Management (JO); 2) Sustainable Production and Quality Engineering (PS).

Curricula reform efforts will support an interdisciplinary approach to sustainable engineering. Education and training (ET) will be open to students/trainees from all disciplines. ME-Eng will provide recipients of ET with a unique set of opportunities to develop their skills at working in multi-disciplinary teams on complex industrial problems, and thus build their portfolios before entering the labour market.

Transfer of knowledge-technology-skills will be achieved via teachers training. Face-to-face pedagogy will be complemented by an active use of learning management system (LMS) for distance training.

ME-Eng will establish one ET centre in each PC. Centres will be used for delivering MSc programmes, LLL courses, and dissemination events. Each centre will link two higher education institutions (HEIs) with an industrial association. The inclusion of such non-academic members in the ET centre will: promote engagement with communities of practice; link ET to the labour market needs; develop industry-HEIs partnerships; promote regional cooperation; aid long-term sustainability of ME-Eng efforts.

The project is committed to promoting and mainstreaming gender equality as well as avoiding all forms of discrimination, which can hinder the realisation of equal opportunities in ET.

