

561915-2014-JP-CD

IT-Based international diploma and professional certificates in clinical toxicology / ITCT

Specific Objectives:

- Develop a comprehensive gap analysis of Egypt's exposure and impact of poisoning in various domains and professional training programs in toxicology.
- Establish a multi-disciplinary diploma program for practitioners with medical, pharmaceutical and nursing backgrounds.
- Develop professional certificates targeting practical and hands-on skills for professionals in toxicology domain.
- Design an ECTS system for the developed diploma to match with EU academic regulations and seek EU accreditation.
- Gain EG academic accreditation and government recognition through MOHP.
- Establish up-to-date facilities serving the targeted domain.
- Establish first-of-its-kind e-labs and e-learning management system for the developed diploma to expand labs and practical exposure of diploma participants and to extend diploma outreach.
- Establish an exchange of knowledge mechanism among teachers between EG and participating EU institutions.
- Implement the diploma and professional certification

Project Summary:

An IT-based, multi-disciplinary diploma accompanied with 4 professional certificate programs in clinical toxicology targeting both pharmacists, physicians (and nurses in the certificate programs) in a cross-cutting education discipline is at hand with a goal to introduce a new line of qualified professionals capable to manage, attend and deal with increasing threat of natural and synthetic poisons and poison agents in various disciplines such as agricultural, industrial, petrochemical, pharmaceutical as well as domestic and home usage. In spite of the growing use of chemicals in various industrial, domestic and home applications, very poor awareness about the toxic risks of chemicals is evident in a country with over 90 Million inhabitants and a frightening increasing rate of chemical use and abuse. This shall be realized by an EG and EU accredited one-year 60 ECTS multi-track diploma, 45 ECTS of which are covering fundamental modules serving both pharmacists and physicians, while the remaining 15 ECTS are in two separate pharmacists/physicians specialization tracks. The one-month 5 ECTS professional certificates are designed to serve particular areas with extensive practical and hands-on skills content. Both the diploma and the certificate programs incorporate intensive implementation of e-laboratories covering most of the lab work that would require complicated simulations or tests on life samples to be the 1st in that domain in Egypt integrating ICT and e-labs/e-learning technologies as a main ingredient in content and delivery means. The targets of this program are professional pharmacists and physicians in hospitals, in poison control centers, pharmaceutical companies or employed in health departments in industrial enterprises. The proposed diploma shall be developed in cooperation between universities, public authorities and NGOs. A wide community impact is expected as outlined by various stakeholders from the academia and health-related authorities.

Project Consortium

1. Applicant Organization: Cairo University, Egypt

List of Partners (National Project)

2. Universita Ta Malta, Malta
3. University Of Newcastle Upon Tyne, United Kingdom
4. Kungliga Tekniska Hoegskolan, Sweden
5. Ain Shams University, Egypt
6. Alexandria University, Egypt
7. Assiut University, Egypt
8. Ministry of Health and Population, Egypt
9. Egyptian Medical Society for Toxicology and Environmental Dise, Egypt
10. Ministry Of Communications & Information Technology, Egypt

Total Grant Requested: EUR 917,716.00

Special Mobility Strand Additional Grant: No

Duration: 36 months