المنظمــة العربيـــة لضمـــان الجـــودة في التعليـــم
The Arab Organization for Quality Assurance in **EDUCATION**

AROQA

8th
Annual Conference
Enabling Regional Quality in Education

Under the patronage of
HE Mr. Boutros Harb
Lebanese Minister of Telecommunications

Chaired by
HE Dr. Talal Abu-Ghazaleh
AROQA's Chairman

Processes and Procedures for ABET Accreditation

Hands-on Steps for the Implementation of
Continuous Improvement Processes

Organized by
Arab Organization for Quality Assurance in Education

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aroqa.org

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Overview and Objectives:

This workshop deals with a systematic step by step approach to preparing Engineering, Computer and Information Sciences and Technology Programs for ABET accreditation. Specifically, it defines the accreditation processes by introducing and discussing in details the nine specific ABET criteria needed for accreditation. These relate to Students, Program Educational Objectives, Student Outcomes (Program Outcomes and Assessment), Continuous Improvement, Curriculum (Professional Component), Faculty, Facilities, Institutional Support and finally Program Criteria. It also discusses other important aspects concerning participation from key constituents: professionals, institutions, and industry and government representatives.

ABET is the body empowered to accredit computer science, applied science, engineering, and technology programs in the United States of America, and now the rest of the world.

Facilitators

Karim J. Nasr, Ph.D. Assistant to the President for Academic Advancement at University of Balamand (UOB). Prof. Nasr holds a Ph.D. (1993) and a MS (1990) from Purdue University and a BS from Oklahoma State University (1987), all in Mechanical Engineering. Prof. Nasr served as a member of SAE, ASEE, ASME, ASHRAE, the World Energy Council, and also an EC2000 ABET Evaluator for the accreditation of engineering programs. Dr. Nasr published an extensive list of journal papers. In September 2004, Dr. Nasr assumed an administrative role at the University of Balamand as Dean of the Faculty of Business and Management. Dr. Nasr's educational and pedagogical research interests focus on the assessment of learning outcomes, Higher Education Strategic Planning, the enhancement of students' learning experience and the effectiveness of educational programs. Prof. Nasr is a recipient of SAE's Ralph Teetor Educational Award (1998), Kettering University's Outstanding Teacher Award (2000), Outstanding Applied Researcher Award (2000), CETL's Best Poster Award as Educational Research (2002), and TRW/CETL Educational Scholar Award (2003). Dr. Nasr also serves on national committees such as the taskforce on University Governance and Quality Assurance at the Ministry of Education and Higher Education. Since 2007, Dr. Nasr serves additionally as Assistant to the President for Academic Advancement at UOB, mapping Quality Assurance and Control initiatives for the University of Balamand.

Mwaffaq Otoom, Ph.D. Currently, Dean Assistant of Graduate Studies and Scientific Research at Yarmouk University (YU), Jordan. Dr. Otoom holds a Ph.D. (2012), a MS (2006), and a BS (2004) from Virginia Tech, Arizona State University, and Yarmouk University, respectively, all in Computer Engineering. Dr. Otoom is a member of IEEE, Jordan Engineers Association, American Society for Engineering Education, Eta Kappa Nu, Gamma Beta Phi Society, and Golden Key International Honour Society. He has been selected for Who's Who Among American College

Students in 2010. Dr. Otoom published very high quality list of ISI journal papers. During his work at Yarmouk University, Dr. Otoom has been appointed as Dean Assistant of Engineering (2013 - 2014), and Director of the Academic Entrepreneurship Center of Excellence (2014 - 2016), during which he has been also Vice Director to the Quality and Academic Development Center. Dr. Otoom is currently involved in several projects funded by the European Commission, including: Open Source Software Communities and Rejuvenation of Technical Education and Innovation (OSSCOM), Modernisation of Institutional Management of Internationalization in South Neighboring Countries (MIMI), and Enhancing Quality Assurance Management in Jordanian Universities (EQuAM), in addition to coordinating other exchange programs.

Workshop Program

First session
Outcomes-based accreditation

Utilizing presentation and interactive exercises, this workshop focuses on preparing participants for program accreditation using outcomes-based criteria. The goal of the session is to develop an awareness and understanding of outcomes-based accreditation.

8:00 - 8:50	• Basic information about ABET, Inc. • Defining Program Mission statement in consistency with Mission and Vision of the college/school of Eng./Institution.
8:50 - 9:40	• Constructing Program Objectives in cooperation with various constituents. • Defining Educational Outcomes (Student Outcomes). • Program Criteria (Needs of professional societies).
9:40 - 10:30	• Best Practices in meeting the various criteria concerning the objectives and outcomes. • ABET Evaluation (Visit/Process) and Results. • Implementation challenges (Open Discussion).
10:30 - 11:00	Coffee Break

Utilizing presentation and interactive exercises, this aspect of the workshop focuses on preparing faculty to develop and implement continuous program improvement plans within their programs, and develop an awareness of the fundamentals of assessment.

11:00 - 12:15	• Introducing the Fundamentals of Assessment. • Defining Continuous Quality Improvement (CQI) fundamentals . • Introduction to assessment plan cycle.
12:15 - 13:00	• Developing measurable performance criteria. • Simplifying curriculum mapping . • Reviewing and selecting assessment tools . • Developing efficient processes . • Reviewing an assessment-planning matrix . • Reporting results . • Writing the SSR (Self-Study Templates).

Workshop Language
The workshop language will be in English, and slightly Arabic

Target Group
• Deans, department heads and faculty members in the colleges of engineering, computer science, applied science, and technology.
• Quality Assurance and Accreditation Officers in the universities
• Representatives of accreditation bodies in the Arab countries.

Expected Learning Outcome
Upon completion, participants will be able to:
• Articulate a mission statement for their programs.
• Become acquainted with the ABET accreditation process.
• Write program educational objectives.
• Specify "program Outcomes"/Student Outcomes and accommodate program specific criteria.
• Highlight best practices of outcomes-based assessment.
• Set-up continuous improvement processes for their programs.
• Select tools and processes to show evidence of meeting criteria and practice continuous improvement.
• Engage all constituents in the process.
• Become familiar with what ABET evaluators look for during their visits.
• Construct the fundamental elements of the SSR.

Fees: REGISTER NOW
120 Euros
60 Euros for participants in AROQA 2016 conference
** **Fees include learning material, meals, and certificates of participation.**
*** *Participants from Lebanese universities get extra 10% discount.*