

CURRICULUM VITAE

Maryam Bilal Hmoudah

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EDUCATION

Currently Registered in the chemical and petroleum engineering faculty at University of Calgary to pursue M.Sc graduate study in the field of energy and environmental engineering.

2004-2009 *B.Sc. in Chemical Engineering*, An-Najah National University, **GPA: 85.5**

Graduation Project: "Charcoal Production & its Pollution Mitigation",

Graduation Project Degree: 91

2003-2004 *High school, Science* "Kamal Junblat", **GPA: 95**

WORK EXPERIENCE

- **Research Assistant: January 2014-Now.**

Registered in the chemical and petroleum engineering Faculty at University of Calgary to pursue MSc graduate study in the field of energy and environmental engineering.

- **Senior Quality Engineer: October 2013-December 2013.**

During the year 2013, I promoted to be Senior Quality Engineer at the Faculty of Engineering at An-Najah National University.

Responsibilities:

1. Development and implementation of accreditation processes for engineering programs at An-Najah Najah National University, engineering accreditation unit. Specifically, processes for American accreditation board for engineering and technology (ABET).
2. Identify best practices; as well as feasible and effective strategies that will help meet ABET accreditation standards.
3. Leading the internal auditing processes in the departments of faculty of engineering.
4. ABET accreditation processes assessment and evaluation; through direct and indirect assessment, archiving and evaluating the academic and administrative systems to fulfil ABET standards and requirements and to track and improve the programs' constituencies satisfaction.
5. Developing continuous improvement plans, strengthening the processes, identifying communication and reporting strategies and statistical analysis, and identifying the appropriate support necessary to meet ABET standards.
6. ABET Processes quality assurance and quality control.
7. Preparing quality assurance reports and accreditations' self-evaluation reports.

8. Archiving and documenting ABET processes and requirements.
9. Assist in defining/developing quality key performance indicators, and reporting requirements.
10. Developing, maintaining and conducting different types of quality management systems and accreditation standards at the faculty of engineering & IT as continuous enhancement of the quality and standards framework.
11. Developing databases and management information systems for all constituencies in order to involve them in the continuous improvement and decision making processes.
12. Developing quality system processes, i.e., records, procedures and document control.
13. Organizing the periodic committee's meetings and holding training workshops for the Engineering faculty's members concerning to ABET.

- **Quality Executive Engineer: April 2011-October 2013.**

I was involved in a project related to evaluating the quality of engineering education at the Faculty of Engineering at An-Najah National University. In addition to this, I am involving in the implementation and development processes to get ABET accreditation to the engineering programs in the faculty.

Responsibilities:

1. ABET accreditation processes development and implementation.
2. Internal auditing at the Engineering Departments.
3. ABET accreditation processes assessment and evaluation.
4. ABET processes quality assurance and quality control.
5. Daily running of ABET center operations.
6. Archiving and documenting ABET processes.
7. Organizing and holding the periodic committee's meetings .

- **Teaching and research assistant: January 2011- December 2011.**

During this period, I was a teaching and research assistant in the Chemical Engineering Department at An-Najah National University.

Responsibilities:

1. Operating Distillation Unit Armfield UOP3CC in Unit Operations Laboratory at An-Najah National University.
2. Operating Electronica Veneta single stage evaporator Mod. UMEC/EV evaporation unit in Unit Operations Laboratory at An- Najah National University.
3. Preparing tutorial discussion classes for homework's of courses "Reaction Engineering", "Reactor design", "Fluid Mechanics" and "Mass transfer".
4. Assigned to demonstrate the practical part of course "Computer aided equipment design" using Aspen Hysys software.

AWARDS

Awarded during undergraduate study, scholarships with 33% off the total tuition fees for nine academic semesters respectively as the GPA was through the nine semesters above 85 and according to the university policy I got this award.

PROFESSIONAL AFFILIATIONS

- Member: Jordanian Engineers Association. 2009-present.
- Member: Institute of Chemical Engineers, UK. (AMIChE), 2011-present.
- Member: American Institute of Chemical Engineers, USA. (AIChE), 2012-present.

PROFESSIONAL DEVELOPMENT

- Valve Tube Bending Training Course, February 2014.
- VMGSim Training Course, March 2014.
- Overview of the NI LabVIEW environment, April 2014.

PROFESSIONAL CIRTIFICATION

- IELTS academic band score 6.5 (February, 2013).
- French Course (Level 4), (September, 2014).
- H₂S alive (Feb, 2014)
- Workplace Hazardous Materials Information systems (WHIMIS), (Feb, 2014).

RESEARCH INTERESTS

Environmental impact assessment, waste water treatment, hazardous waste management, accident investigation and safety of chemical process industries.

INTERESTS AND SKILLS

- Wide interests in computing, with programming knowledge in Matlab, VMGSim, Aspen Hysys and Chemcad. Good knowledge of P.C's and their associated packages. Good ability in using the Internet and the electronic e-mail. Other interests include reading, especially books, magazines and watching TV programs including comedy and documentary programs.
- Ability to organise, lead and deal tactfully with people of different thinking ability.
- Ability to lead team in areas related to improving the evaluation and assessment processes of engineering education.

CONFERENCE PAPER

- [C1] A. Abu-Safa and **M. Hmoudah**, Engineering Education in Palestine (Evaluation & Accreditation Criteria), Beirut 22-23th March 2012.