

Objective

To leverage my engineering expertise and teaching passion in providing high-quality instruction and mentorship. To design and deliver soft skills courses that empower youth with valuable professional competencies and equip them for future career success.

Educational Background

Oct 2011- 2014

Princess Sumaya University for Technology

Masters of Science in Electrical Engineering

Rating: **Merit with Average: 87.8%**

Master's Thesis Title: "Adaptive FIR Filter for Frequency Estimation of Sinusoids Using Random Search Algorithms"

Oct 2005 – Jun 2010

Princess Sumaya University for Technology

Bachelor of Science in Telecommunications Engineering – Electrical Engineering Department

Rating: **Excellent with Average: 86.8%**

Sept 1991 – Jun 2005

Ahliyyah School for Girls

General Certificate of Education (IGCSE) Ordinary and Advanced Level Equivalent **to 95.6% in Jordanian Tawjihi**

Work Experience

Sept 2017 - Present

Princess Sumaya University for Technology

Lecturer at the Basic Sciences Department

- Teach engineering courses.
- Supervise summer internships for students.
- Coordinate the Technical Writing and Communication Skills as well as Engineering Ethics courses.
- Prepare ABET accreditation reports for different courses.
- Engage in a research group focused on assessing and evaluating online education in the post-COVID-19 era.
- Represent the engineering department in the collaboration between the university and Amman Baccalaureate School.
- Design curriculums for engineering courses.
- Organize an annual event called the "Week of Effective Communication," where all students are invited to benefit from a series of talks given by different speakers from diverse industries.
- Develop strategies to drive the growth of the PSUT Engineering Entrepreneurship Kickstarter (PEEK) as the Chief Development Officer of the program.

Oct 2010 – Sept 2017

Lab Instructor (Communications Networks, Fibre Optics, Circuits, Digital Electronics Laboratories)

Training

Jan 2014

Scientific Visit University of Murcia, Spain

- Attended a training program focused on smart cities within the frame work of a project JERA-CENTER FP.

Oct 2009

ITU (International Telecommunication Union) Telecom Youth World 2009 Forum Geneva, Switzerland

Jul – Aug 2007

Student Leaders, Middle East Partnership Initiative (MEPI) Montana State, USA

- Delegated to represent Jordan with representatives from the MENA region.

Voluntary Work
Academic Year 2021/2022

Sept 2014- Sept 2015

Amman Baptist School

- Conducted sessions for middle school and senior teachers and management on effective email writing.
- Conducted sessions for high school students on effective communication.

Jun 2009 - Jun 2012

Women in Science (WiS) Office at PSUT

- Organized several outreach programs to encourage women in science.
- Designed brochures, booklets, and roll-ups for the program.
- Organized a symposium for the Women in Science Awards.

Sept 2006 – Aug 2007

"EXPRESS" Initiative founder "عبر"

Founded an initiative to empower teenage women to express themselves in better and more creative ways by implementing outreach programs for them.

Publications

Nov 2022

Princess Sumaya University Student Council member

Yasin, A., Al-Tarawneh, L., El-Issa, F., & Al-Zoubi, A. (2022). Students' achievement in an online course on technical writing and communication skills. *Interactive Technology and Smart Education*, (ahead-of-print).

Mar 2019

Mismar, M. J., & Elissa, F. B. (2019). Frequency and power estimation of sinusoids using eigen-approach. In *MATEC Web of Conferences* (Vol. 272, p. 01008). EDP Sciences.

Jan 2019

Elissa, F. B., & Mismar, M. J. (2019). Adaptive FIR filter for frequency and power estimation of sinusoids. *International Journal of Embedded Systems*, 11(1), 22-27.

Dec 2017

F.B. El-Issa, M.J. Mismar, "FIR filter for frequency estimation using eigen-approach". 2017 International Conference on Electrical and Computing Technologies and Applications (ICECTA), Ras Al Khaimah, Emirates.

Dec 2016

F.B. El-Issa, M.J. Mismar, "Adaptive FIR Filter for Frequency Estimation of Sinusoids using Particle Swarm Optimization". 2016 International Conference on Electronic Devices, Systems and Applications (ICEDSA), Ras Al Khaimah, Emirates.

Awards

Feb 2023

Princess Sumaya University for Technology

Teaching incentives for outstanding Performance

May 2016

Princess Sumaya University for Technology

Outstanding Performance Award for Engineers

Dec 2011

Jordan Engineering Association

Innovative Engineer of the year 2011 award

Mar 2011

Middle East Partnership Initiative

Fund to pursue the project "عبر".

May 2010

National Technology Parade 2010

First Place for the senior project design "Wireless Appliances Control using Microcontrollers and Zigbee Technology" in the category of Communications and Wireless appliances.

Languages

- Fluent in Arabic
- Fluent in English (Toefl-Int Based Test score 100/120)