

Faculty C.V.

1. **Name**

Aya K. Eltoukhy Rezk

2. **Academic Rank:**

Full Time Instructional Assistant – Engineering Lab

3. **Degrees**

- (a) Master of Science in Computer Engineering, Kuwait University, 06.2021
- (b) Bachelor of Engineering in Computer Engineering, American University of Kuwait, 05.2017

4. **Service at this Institution**

- (a) Number of years: 2.5 years
- (b) Date of appointment: 01.09.2021

5. **Professional Experience** *(Related experience in other institutions: include locations and dates.)*

- (a) Diyar United Company: Service Desk Employee, Kuwait City, 10.2017 to 07.2018
- (b) Kuwait University: Research Assistant, Kuwait, 08.2018 to 04.2019
- (c) Kuwait Technical College, Kuwait, 08.2018 to 08.2021

6. **Consulting Experience** None

7. **Professional Registration** None

8. **Publications**

Abeer Imdoukh, Ahmed Shaker, Aya Al-Toukhy, Darin Kablaoui, and Mohammed El-Abd. "Semi-autonomous indoor firefighting UAV". In the 18th International Conference on Advanced Robotics, pp.310-315, 2017.

A. Behiry, A. Imdoukh, A. AlAteyah, F. Badreddine, R. AlFar and A. Rezk, "Towards a Self-managed and Gamified Laboratory Experience in Undergraduate Engineering Education," 2023 IEEE Global Engineering Education Conference (EDUCON), Kuwait, Kuwait, 2023, pp. 1-5, doi: 10.1109/EDUCON54358.2023.10125169.

9. **Membership in Professional Societies**

IEEE membership - student member, 4 years

10. **Patents, Honors and awards**

- (a) *ITTPC Certification*: International Tutor Training Program Certification, provided by College of Reading and Learning Association (CRLA) which sets an international standard of skills and training for tutors. 2017
- (b) *ITIL Certification*: Information Technology Infrastructure Library (ITIL) is a set of detailed practices for IT service management (ITSM) that focuses on aligning IT services with the needs of business.

11. **Courses taught**

a) Academic Courses

Kuwait Technical College:

Fall 2019:

FEM0-M: Foundational Math (3 sections): 4 hours per week

FEM0-IT: Foundational IT (3 sections): 4 hours per week

Spring 2020:

IST101 – PC Software (3 sections): 4 hours per week

IST102 – PC Hardware (2 sections): 4 hours per week

IST104L – Windows Client Operating Systems (2 sections): 2 hours per week

IST125 – Introduction to Programming Using C I (2 sections): 2 hours per week

Fall 2020

IST101 – PC Software (1 sections): 4 hours per week

IST102 – PC Hardware (2 sections): 4 hours per week

IST125 – Introduction to Programming Using C I (2 sections): 2 hours per week

IST127 – Introduction to Programming (2 sections): 2 hours per week

Spring 2021

IST102 – PC Hardware (1 sections): 4 hours per week

IST125 – Introduction to Programming Using C I (2 sections): 2 hours per week

IST127 – Introduction to Programming (2 sections): 2 hours per week

IST128 – Object Oriented Programming (1 section): 2 hours per week

IST152 – HTML (1 section): 2 hours per section

American University of Kuwait:

Fall 2021:

CPEG210L – Digital Logic Design Laboratory (2 sections): 1.5 hours per week

CPEG330L - Microprocessors and Interfacing Laboratory (2 sections): 1.5 hours per week

CPEG340L – Embedded System Design Laboratory (2 sections): 1.5 hours per week

ELEG220L – Electric Circuits Laboratory (2 sections): 1.5 hours per week

Spring 2022:

CPEG210L – Digital Logic Design Laboratory (1 section): 2.45 hours/week

CPEG330L - Microprocessors and Interfacing Laboratory (1 section): 2.45 hours/week

CPEG340L – Embedded System Design Laboratory (1 section): 2.45 hours/week

CPEG303L – Advanced Programming for Eng. Laboratory (1 section): 2.45 hours/week

CSIS101 – Computer Skills and Emerging Technologies (1 section): 2.5 hours per week

Fall 2022:

CPEG330L - Microprocessors and Interfacing Laboratory (1 section): 2.45 hours/week

CSIS101 – Computer Skills and Emerging Technologies (1 section): 2.5 hours per week

Spring 2023:

CPEG330L - Microprocessors and Interfacing Laboratory (1 section): 2.45 hours/week

CPEG340L – Embedded System Design Laboratory (1 section): 2.45 hours/week

CPEG303L – Advanced Programming for Eng. Laboratory (1 section): 2.45 hours/week

CSIS101 – Computer Skills and Emerging Technologies (2 sections): 2.5 hours per week

Fall 2023:

CPEG210L – Digital Logic Design Laboratory (2 sections): 2.45 hours per week

CPEG330L - Microprocessors and Interfacing Laboratory (1sections): 2.45 hours per week

CSIS101 – Computer Skills and Emerging Technologies (2 sections): 2.5 hours per week

b) Intensive professional short courses

Kuwait Technical College:

Technical Design for PowerPoint Presentations Workshop – 6 Days workshop: 6 hours per day

c) Community Service courses

Kuwait Technical College:

Python Programming Course – Online Video Tutorials

12. **Other Duties**

Creating an Advising Program for Faculty under CEAS department named 'RACXpert'

13. **Research** None

14. **Participation in Specific Programs** None