Faculty C.V.

1. **Name:** Ahmed Ayman Hassanein
   Date of Birth: 28/03/1992

2. **Academic Rank:** Full-Time Instructional Assistant – Engineering Lab

3. **Degrees**

   Master of Science in Electrical & Electronic Engineering, specializing in System-On-Chip. University of Southampton. 2016.

   Bachelor of Engineering in Computer Engineering. American University of Kuwait. 2014

4. **Service at this Institution**

   Years of service: 3 years and 9 months.
   Date of appointment: 02/02/2017

5. **Professional Experience** 3 months as Program Coordinator at the Center for Research in Informatics, Sciences & Engineering - American University of Kuwait. November 2016 – February 2017.

6. **Publications**

   a) Journal Papers:

   - Hassanein, M. El-Abd, I. Damaj, H. Ur Rehman, "Parallel hardware implementation of the brain storm optimization algorithm using fpgas", Microprocessors and Microsystems, 2020, Volume 74, doi: 10.1016/j.micpro.2020.103005.

   - Halak, M. El-Hajjar, & A. Hassanein, "Hardware Efficient Architecture for Element-Based Lattice Reduction Aided K-Best Detector for MIMO Systems," Journal of Sensor and Actuator Networks, 2018, Volume 7. 22. doi: 10.3390/jsan7020022

   b) Conference Paper:
   A. Hassanein, M. Elhawary, N. Jaber & M. El-Abd, "An autonomous firefighting robot," The 17th International Conference on Advanced Robotics (ICAR), 2015, pp. 530-535. doi: 10.1109/ICAR.2015.7251507.

9. **Membership in Professional Societies**

   IEEE

10. **Courses taught**
   Spring 2017
   CPEG 210L: 1 Credit Hour, 1 Section
   ELEG 220L: 1 Credit Hour, 2 Sections
   ELEG 270L: 1 Credit Hour, 1 Section

   Fall 2017
   CPEG 210L: 1 Credit Hour, 2 Sections
   ELEG 220L: 1 Credit Hour, 2 Sections
   ELEG 270L: 1 Credit Hour, 1 Section

   Spring 2018
   CPEG 210L: 1 Credit Hour, 1 Section
   CPEG 330L: 1 Credit Hour, 2 Sections
   ELEG 220L: 1 Credit Hour, 1 Section
   ELEG 270L: 1 Credit Hour, 2 Sections

   Summer 2018
   CPEG 331L: 1 Credit Hour, 1 Section

   Fall 2018
   CPEG 330L: 1 Credit Hour, 2 Sections
   CPEG 331L: 1 Credit Hour, 1 Section
   ELEG 220L: 1 Credit Hour, 3 Sections

   Spring 2019
   CPEG 201L: 1 Credit Hour, 1 Section
   CPEG 330L: 1 Credit Hour, 2 Sections
   ELEG 220L: 1 Credit Hour, 1 Section
   ELEG 270L: 1 Credit Hour, 2 Sections

   Summer 2019
   CPEG 331L: 1 Credit Hour, 2 Sections

   Fall 2018
   CPEG 330L: 1 Credit Hour, 2 Sections
   CPEG 331L: 1 Credit Hour, 1 Section
   ELEG 220L: 1 Credit Hour, 2 Sections
   ELEG 270L: 1 Credit Hour, 1 Section

   Spring 2020
   CPEG 330L: 1 Credit Hour, 2 Sections
   CPEG 331L: 1 Credit Hour, 1 Sections

ELEG 220L: 1 Credit Hour, 1 Section
ELEG 270L: 1 Credit Hour, 1 Sections

Fall 2020
CPEG 330L: 1 Credit Hour, 1 Sections
CPEG 331L: 1 Credit Hour, 1 Section
ELEG 220L: 1 Credit Hour, 2 Sections

11. **<u>Other Duties</u>**
   a) Department
      i. Student Liaison Committee – Chair (Fall 2018 – Spring 2020)
      ii. Student Advisory Board – Member (Spring 2017 – Spring 2020)
   b) College level
      i. Coach for ICPC teams (Fall 2018 – Spring 2020)
      ii. Resource Management and Planning - Member (Fall 2020)
   c) Institution level
   d) Outside the institution