المدرس المساعد مريم عامر فؤاد

قســـم هندسة الحاسوب
ماجستير هندسة تقنيات الحاسوب
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الشهادات العلمية

الماجستير، الجامعة التقنية الوسطى- كلية التقنيات الكهربائية والالكترونية، 2013
البكلوريوس، الجامعة التقنية الوسطى- كلية التقنيات الكهربائية والالكترونية، 2010

التاريخ الوظيفي

- Member of Quality and Accreditation Committee 2018-2019.
- Member of Laboratory Quality ranking for (Good Laboratory Practice) GLP Committee 2016-2019.
- College Council Coordinator 2017-2019.
- Member of Central Examination Committee 2014-2016.
- Held the position of department coordinator, Computer Engineering Techniques, 2012-2013 .
- Member of Central Examination Committee 2012-2013.

I have supervised undergraduate final year projects for example:

- "Image Caption Generator by using Python" Computer Engineering department, 2021.
- "Deep Learning Techniques for Instance Image Segmentation" Computer Engineering department, 2021.
- "Implementation of Face Recognition System for Home Security using Arduino", Computer Engineering department, 2020.
- "A Secure Visual Cryptography for Colour Images", Computer Engineering department, 2019.
- "Secure E-Learning using Data Mining", Computer Engineering department, 2018.
- "Arduino Home Security System", Computer Engineering department, 2017.

التدريـــس

- Microprocessors and Microcomputers I, Year 2, Computer Engineering Department, 2018-present .
- Computer Architecture I, Year 3, Computer Engineering Department, 2017-2021.

- Fundamentals of Digital Logic Systems, Year 1, Computer Engineering department, 2013-2018 .
- Cryptography & Computer Security, year 4, Computer Engineering department, 2016-2017 .
- Digital System Design, Year 2, Computer Engineering department, 2014-2015 .
- Microprocessors & Microcomputers I, Year 2, Computer Engineering department, 2014-2015 .
- Computer Programming, Year 1, Civil Engineering department, 2013-2014.
- Electronic and Electrical Workshop, Year 1, Computer Engineering Techniques Department, 2012-2013.

الاهتمـام البحثـي

- Cryptography and Computer/Network Security.
- Digital System Design (FPGA's) and Xilinx System Generator.
- PIC and Arduino Microcontrollers.
- Image Processing.
- Face Recognition.
- Machine Learning.

المنشــورات العلميــة

- F. Hasan, M. Saffo, "FPGA Hardware Co-Simulation of Image Encryption Using Stream Cipher Based on Chaotic Maps", Sensing and Imaging, 21(1), 35 (2020), PP. 1-22.
- F. Hasan and M. Saffo, "FPGA Hardware Co-Simulation of Image Encryption using Hybrid Chaotic Maps Based Stream Cipher", International Journal of Engineering and Advanced Technology (IJEAT), 9,2020, PP. 215-225.
- S. Omran and M. Saffo "Hardware Implementation of Elliptic Curve Cryptography on FPGAs", Iraq Commission for Computers and Informatics, Baghdad-Iraq, 17-18/12/2012.