# Amal Zarif Mahfouz

PhD in Electrical Engineering

Computers and Systems Specialization

## Personal Information


**Nationality**: Egyptian

**Address**: New Minya, Cooperative Building 06, New Minya

**Mobile**: 01011880084

**Email**: amal_zarif@mhiet.edu.eg


**Date of Birth**: 10-9-1988

**Marital Status**: Married

**Religion**: Muslim

## Education

**Ph.D**. in Electrical Engineering (2022) - Faculty of Engineering, Minia University
Title: "Developing Secure Authentication Protocols for Mobile Devices".

**Master** of Electrical Engineering (2017) - Faculty of Engineering, Minia University
Title: "An effective technique for hardware and software partitioning systems and it's application on embedded systems".

**Bachelor** of Engineering in Computers and Systems (2010) - Faculty of Engineering, Minia University.

**Graduation Grade**: Very Good with Honors.

**Project Appreciation**: Excellent.

## Teaching Experience

- I have been working at the Higher Institute of Engineering and Technology in New Minya since 2010 until now.
- I teach several courses for the departments of Electrical, Computer and Mechanical Engineering, Mechatronics Division.
  1. Introduction to Computer Science
  2. Computer Programming
  3. Introduction to Microprocessor
  4. Practical Training 2
  5. Practical Training 3
  6. Logic circuits
  7. Digital Circuits
  8. Computer Operating Systems
  9. Microprocessor installations
  10. Computer Sensors and Connections Lab
  11. Digital Systems Lab

## Programs I work on

1. Q basic language, C language, C++ language
2. Office programs (Microsoft Word, Excel, Power Point, Access)
3. Oracle database
4. Android Studio
5. MATLAB

## Training Courses

1. examination systems and student evaluation.
2. Scientific Research Ethics.
3. ENDNOTE.
4. SPSS.
5. TOFEL.
6. Concepts of quality and accreditation.
7. Global Database Search.
8. Methods and methods of scientific research.
9. Recent trends in teaching.

## Research

1. Youness, H., Hussein, A., & Mahfoz, "A New Hardware/Software/Partitioning Technique", In Computer Engineering & Systems (ICCES), 2012 Tenth International Conference on IEEE, pp. 111-111, 51-52 Dec., 2012.
2. Kamel Rahouma., Amal Zarif., "Face Recognition Based on Correlation and Back Propagation Neural Networks", Egyptian Computer Science Journal, Vol.21, No.1, ISSN-1111-5212, sept.2012.
3. Kamel Rahouma., Amal Zarif., "Applying Mobile Intelligent API Vision Kit and Normalized Features for Face Recognition Using Live Cameras", In International Conference on Artificial Intelligence and Computer Vision, Springer, Cham, pp.211-252, June, 2021.
4. Kamel Rahouma., Amal Zarif., "Design and Implementation of a Face Recognition System Based on API Mobile Vision and Normalized Features of Still Images", Procedia Computer Science, Vol. 122, pp. 15-22, 2021.