



# Dr. Khaled FOU DA

PMP, ICP, CSM, MCT, SCJP, Network+, CBP,  
MCTS, MCAD, MCSA, MCSE, MCDBA, MCP  
<http://DrFouda.com>

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Street, Flat 83, Zahraa El Maadi, Maadi, Cairo, Egypt

## Objective

To obtain an academic position which allows me to apply my background in **Computer Engineering, Mechatronics, Robotics, Embedded Systems, Management, and Training.**

## Profile

I was born in Egypt in 1981. I obtained my PhD from Paris-Saclay University and Université de Versailles Saint-Quentin-en-Yvelines – France in 2017 in Robotics. My research interests include humanoid and service robots. I obtained my MSc. in Computer Engineering from The Arab Academy for Science & Technology & Maritime Transport in Egypt in 2014 in Computer Engineering and received my BSc. from Cairo University, Egypt in 2004 in Computer Engineering.











**In the field of research activities,** I published 14 technical papers in international conferences and highly reputable journals. In 2017, I participated in a patent in the National Institute of Industrial Property in France “Multidirectional Active Integrated Omni wheel Motor”. Ref. No: FR3063453, Year: 2017. In 2015, I devised a “Closed-form solution for direct geometric model for Stewart platform” which was unknown since 1965. Stewart platform is an essential mechanism for flight simulators. I also participated in designing, manufacturing, and controlling seven robots. I patented “Apparatus to Generate Electricity from the Earth Gravity and Distillate Water”, registered at Academy of Scientific Research and Technology, Patent Office in 1996.

**In the field of consulting and teaching,** I am Regional Director & Member of the Board of Directors at Etqan-Tech, I was the Managing Director at FodaDev. I worked as a Senior IT Consultant at Arab Women Organization; League of Arab States, Project Management Consultant at Arab Administrative Development Organization - League of Arab States and Senior Services Management and Business Skills Consultant at Global Knowledge. Since 2011, worked as a Project Manager, and Focal Strategic Consultant at IBM Global Delivery Center for Egypt, Romania, Vietnam, China, Brazil, and Argentina at IBM World Trade Corporation, from 2005 to 2011. Before this position, I worked as an Embedded Systems Engineer. I also worked as a freelance instructor in many international training centers, governmental centers, institutes, universities, and colleges, and worked as a part-time lecturer at the Canadian International College (CIC) from 2007 to 2011, Cairo campus of Cape Breton University (CBU) in Canada. I am an internationally recognized expert in providing training, taught 3568 hours of professionals, managers, leaders, and undergrads from different nationalities.

**In the field of project management and IT,** my experience is based on almost 18 years in the IT industry in many international projects of budgets up to \$140 Million. I have experience in waterfall and Agile models. During 56 projects in different fields, I practiced the following activities; Project Management, Focal Strategic Consultant, Consultancy, Software and Hardware Support, Designing, Coding, Software Integrating, Technical Testing, Functional Testing, Software Infrastructure, Servers’ Maintenance, Technical Documentation, introducing and presenting new technologies, conducting technical sessions.

I hold several International certifications from Microsoft, Sun Microsystems, Project Management Institute, International Consortium for Agile (ICAgile), SCRUM ALLIANCE®, CompTIA, and IBTA including Microsoft Certified Trainer, Project Manager Professional, Microsoft Certified Technology Specialist, Microsoft Certified System Engineer, and Microsoft Certified Application Developer. I am a member in the Institute of Electrical and Electronics Engineers (IEEE) since 2001, Project Management Institute (PMI), IEEE Computer Society, IEEE Robotics and Automation Society.

## Personal Information

 <b>Birth Date:</b> 5 <sup>th</sup> September. 1981	 <b>Birth City:</b> Giza - EGYPT
 <b>Nationality:</b> Egyptian	 <b>Marital status:</b> Married
 <b>Driving Licenses:</b> Egyptian	 <b>Valid Passport:</b> Available
 <b>Military service status:</b> Exempted	 <b>Religion:</b> Moslem Sonny Moderate
 <b>Residential Country:</b> Egypt	 <b>Children:</b> Daughter & Two children

## Current Employment



2020 – Present **Regional Director & Member of the Board of Directors**

Etqan-Tech– Cairo, Egypt

*Responsibilities:* Evaluate business progress and create and institute strategies to accomplish the goals of the company.

## Employment History



2019 **Specialized R&D Engineer**

Dassault Systèmes – Vélizy-Villacoublay, France

*Responsibilities:* Satisfy our Users, Customers & Partners thanks to Superior Technical Expertise by answering requests, monitoring usage, listening to feedbacks and communicate improvements.



2011 –2013 **Founder & Managing Director**

FodaDev LLC. - Cairo, Egypt

*Responsibilities:* Formulating and successfully implementing Fodadev policy. Directing strategy towards the profitable growth and operation of Fodadev. Developing strategic operating plans that reflect the longer-term objectives and priorities established by the board. Putting in place adequate operational planning and financial control systems. Ensuring that the operating objectives and standards of performance are not only understood but owned by the management and other employees. Closely monitoring the operating and financial results against plans and budgets. Taking remedial action where necessary and informing the board of significant changes. Maintaining the operational performance of Fodadev. Monitoring the actions of the functional board directors. Assuming full accountability to the board for all Fodadev operations. Representing the company to major customers and professional associations. Building and maintaining an effective executive team.



2007 –2011 **University Lectures**

CIC - Canadian International College - Cairo, Egypt

*Responsibilities:* As a lecturer, I conduct weekly teaching sessions, lectures, assign and grad projects, exercises and assess the progress of students, supervising undergraduate projects, and graduation projects, Grading the final and midterm exams.



2005 –2011 **Project Manager**

IBM World Trade Corporation - Cairo, Egypt

*Responsibilities:* Project Management, Consultancy, Focal Strategic Consultancy for Egypt, Romania, Vietnam, China, Brazil, and Argentina, Team Leading, Software Support Designing, Coding, Software Integrating, Technical Testing, Functional Testing, Software Infrastructure, Servers' Maintenance, Technical Documenting, Introducing and Presenting new technologies, Conducting technical sessions.

*Positions History:* Focal Strategic Consultant, Mobilization Manager, Project Manager, IBM Rational Consultant, Embedded Software Engineer, Associate Software Engineer.

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2008 –2013 **Project Management and Soft Skills Instructor**

EMAK International Academy - Cairo, Egypt & Kuwait.

*Responsibilities:* Teach the core business skills required for the young Business Professionals; which covers these curriculums: Leadership, Business Communication, Business Etiquette, and Customer Services.

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2005 **Embedded Systems Developer**

Software Engineering Competence Center – SECC at cooperation with KOICA (Korea International Cooperation Agency) - Cairo, Egypt

*Responsibilities:* Project Coordinating, Hardware Designing, and Introducing and Presenting new technologies.

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2002 –2013 **Instructor**

New Horizons Computer Learning Centers - Cairo, Egypt

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2012 –2013 **Project Management Instructor**

AMIDEAST- Cairo, Egypt, Tunisia

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2013 **Project Management Instructor**

Arab Administrative Development Organization - League of Arab States - Cairo, Egypt

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2011 **Senior IT Consultant**

Arab Women Organization - League of Arab States - Cairo, Egypt

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2011 **Senior Services Management and Business Skills Consultant**

Global Knowledge - Cairo, Egypt

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2004– 2005 **Computer Network Instructor**

The Egyptian Cabinet, Information and Decision Support Center, the Electronic Business Institute - Cairo, Egypt

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1999– 2002 **Computer Science Instructor**

Center for Advanced Software & Biomedical Engineering Consultation - CASBEC Cairo University - Cairo, Egypt

*Responsibilities:* Instructing, Preparing materials and exams, Labs setup and infrastructure, Maintenance, Training centers establishment and management.

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## Educational Record

<i>Oct. 2013 – Dec. 2017</i>	Laboratoire d'Ingénierie des Systèmes de Versailles Université de Versailles Saint-Quentin-en-Yvelines Université Paris Saclay	France
<b>PhD. in Mechatronics, Robotics</b> Thesis Title: "Testing Machine for Transtibial and Transfemoral Prosthesis"		
<i>Mar. 2008 – Apr. 2014</i>	Faculty of Engineering & Technology - Arab Academy for Science & Technology & Maritime Transport GPA: 3.42 on a 4.0 scale General Grade: <b>Excellent with Honor</b>	Egypt
Thesis Title: "Embedded System Architecture of Mobile Electronic Arabic Braille Panel for Reciting the Holly Qur'an (Rasm Al-'Uthmani)"		
<i>Sep 1998 – May 2004</i>	Faculty of Engineering - Cairo University GPA: 3.28 on a 4.0 scale Project Thesis Title: "Controlling a Robot Arm Using Virtual Reality" (CRAUVR) Graduation Project Grade: <b>Distinction</b> General Grade: <b>Good</b>	Egypt
<i>Sep. 1984 – May 1998</i>	La Rose De Lisieux Language School General Secondary Certificate Percent <b>98.2%</b>	Egypt

## PhD Research Summary

The objective of this work is to build a testing machine for prosthesis. The machine should be able to reproduce the same dynamic and kinematics conditions applied on the prosthesis during the normal use.

Numbers of amputation and causes of amputation were collected. Different types of prosthesis were classified according to the leg prosthesis per amputation height, passive and active prosthesis, differentiated by the nature of their actuator. Most of the testing machine for the prosthesis were studied from the technological and capability prospective. Determining all the limitations of most of existing testing machines, and the needs to develop a new machine to full fill these needs were developed.

Then we studied and analyzed the dynamics of the human gait and run. The equations of motion by taking into consideration the masses and moments of inertia of skeletal segments. Most of the parameters of gait were extracted. In conclusion, we have the kinematic requirements of the human center of gravity to generate 6 DOF that the testing machine should carry out to emulate the normal human gait and run.

Three designs were proposed to implement the testing machine: Articulated robot arm, Cartesian manipulator, and Stewart Platform (SP). After implementing the three solutions we found the most suitable solution is the SP attached with it an artificial active hip. We have chosen the hydraulic power as it is the most suitable actuation technique for our solution knowing the required actuation forces.

To help in controlling the SP motion, a novel Closed-form solution of direct Geometric model for planer and 6-6 Stewart Platform using the rotary sensors instead of liner sensors as wanted to the hydraulic actuators was developed. Sensitivity analysis was studied for that solution, and analytical calculation for computing the workspace was also developed.

The conclusion from this testing machine is that we can create all the dynamics of the human body, i.e. walking or running or going up and down stairs. The developed solution can carry testing procedures for either passive or active prosthesis

The Thesis was under supervision of **Prof. F.B. Ouezdou, Prof. Samer Alfayad.**

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## Master's Research Summary

This thesis concerns with reorganizing new Braille symbols to represent all the diacritics in the Arabic Quran, the aim of this study is building a system that translates the Quran verses to Qur'anic code, then extracting all similar patterns of variable lengths using enhanced (Lempel, Ziv, and Welch) LZW data Compression technique, creating an embedded search engine based on microcontroller that enable the user to select the soura, ayah, goz', hizb, page, or line to read. We will use the display control circuit due to complexity in showing sequence of Braille character, and (Multimedia Card) MMC card as a storage media. This embedded system can switch between Egyptian or Saudi Braille system.

The Thesis was under supervision of **Prof. Ahmed Fahmy, Prof Khaled Shehata, Dr. Hanady Essa**

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## Graduation Project

Title: "**Controlling a Robot Arm Using Virtual Reality**" (CRAUVR)

CRAUVR Is Your Hand Everywhere

### Applications

- Getting the mines from the desert remotely
- Operate a remote Surgery between the capital and a submarine
- Exploring the Egyptian pyramids

### Responsibility

Project coordinator, software and hardware designing, implementing, coding, and integrating, technical and functional testing, and technical documenting.

The project was under supervision of **Prof. Ahmed M. Darwish**

Graduation Project Grade: **Distinction**

### Media

Presented this project in many TV shows on more than 9 satellite channels, e.g. Nile News Channel, Mehwar Channel, Nile Educational Channels and others. Many national and international newspapers published some articles about that project

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## Patent Disclosure

- AlFayad Samer, Kardofaki Mohamed, Fouda Khaled "**Multidirectional Active Integrated Omni wheel Motor**". Registered at National Institute of Industrial Property in France Ref. No: FR3063453, on 2<sup>nd</sup> March 2017.
  - Fouda Khaled "**Apparatus to Generate Electricity from the Earth Gravity and Distillate Water**". Registered at Academy of Scientific Research and Technology, Patent Office on 31<sup>st</sup> July 1996.
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## Publications

### Journal Publications

- Moustafa A Fouz, Mohamad Kardofaki, Khaled Fouda, Samer Alfayad, Eric Dychus: **Child Lower Limb Exoskeleton: Sizing and Modeling**. *International Journal of Scientific and Engineering Research* 12/2016; 7(12):1585.
- Mohamad Kardofaki, Moustafa A Fouz, Khaled Fouda, Samer Alfayad, Eric Dychus: **Sizing and Actuation of Child Lower Limb Exoskeleton**. *International Journal of Materials, Mechanics and Manufacturing* 10/2018; 6(5):337.

### Pending Journal Publications

- KARDOFAKI Mohamad, FOU DA Khaled, ALFAYAD Samer: **Design of an Active Integrated Omni Wheel Motor for Holonomic Mobile Platforms**.
  - Khaled FOU DA, Anas AMMOUNAH, Samer ALFAYAD, Fethi B. OUEZDOU: **Closed-form solution of Direct Geometric for Planar Stewart Platform**.
  - Khaled FOU DA, Anas AMMOUNAH, Samer ALFAYAD, Fethi B. OUEZDOU: **Analytical Workspace of Planar Stewart Platform**.
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- Khaled FOUDA, Anas AMMOUNAH, Samer ALFAYAD, Fethi B. OUEZDOU: **Closed-form solution of Direct Geometric for 6 DOF Stewart Platform.**
- Samer Alfayad, Fouda, Khaled., Ahmad Tayba: **An Integrated Hydraulic Humanoid Robot Arm - Part I: Kinematic Structure, Modeling & Performances Analysis**
- Samer Alfayad, Fouda, Khaled., Ahmad Tayba: **An Integrated Humanoid Hydraulic Robot Arm - Part II: Prototype Design & Experimental Results**

### Conference Proceedings

- Khaled M.S. Foda, Ahmed Fahmy, Khaled Shehata, Hanady Saleh: **A Qur'anic Code for Representing the Holy Qur'an (Rasm Al-'Uthmani).** 2013 *Taibah University International Conference on Advances in Information Technology for the Holy Quran and Its Sciences*; 12/2013, DOI:10.1109/NOORIC.2013.67
- Khaled M.S. Foda, Mohamed H. Wahdan, Khaled A. Al-Ameri, Ahmed M. Darwish: **Controlling a robot arm using exoskeleton for land-mines disposal. Computer Engineering & Systems**, 2007. *ICCES '07. International Conference on*; 12/2007, DOI:10.1109/ICCES.2007.4447020
- Khaled Fouda, Ahmad Tayba, Samer Alfayad, Fethi Ben Ouezdou: **A Novel Compact Electrohydraulic Rotary Actuator for Elbow Joint used in Humanoid Robot: ROMEO.** *National Days of Manipulation Multi-Scale National Days of Humanoid Robotics*; 06/2015

### Research Posters

- Dr. Samer Alfayad, Khaled Fouda, Mohamed Kardovaki, Ahmad Tayba, Moustafa Fouz, Mohamed Tahoun, Ahmed Ibrahim, Anas Ammounah, Mohamad El Asswad, Nahla Tabti: **Mohamed Bin Zayed International Robotics Challenge (MBZIRC).** 2016; *Institute for Control and Decision of the IDEX Paris Saclay. iCODE Final Congress*; 05/2016, iCODE.2016
- Dr. Samer Alfayad, Khaled Fouda, Ahmad Tayba: **Design a new Hydraulic Humanoid Arm for HYDROiD.** 2016; *Institute for Control and Decision of the IDEX Paris Saclay. iCODE Final Congress*; 05/2016, iCODE.2016
- Dr. Samer Alfayad, Khaled Fouda, Mohamed Kardovaki, Ahmad Tayba, Moustafa Fouz, Mohamed Tahoun, Ahmed Ibrahim, Mohamad El Asswad: **HOPALALA - Safe and Low Cost Educational Open Platform for Humanoid Robot.** 2016; *Institute for Control and Decision of the IDEX Paris Saclay. iCODE Final Congress*; 05/2016, iCODE.2016
- Khaled Foda, Khaled Al-Ameri, Mohamed Wahdan, Dr. Ahmed Darwish: **CRAUVR - Controlling a Robot Arm Using Virtual Reality.** 2004; *Cairo University Computer Engineering Graduation Day*; 06/2004

## Experience

- **Robotics** I have participated in designing and manufacturing, assembling many robots. Either mobile or fixed robots.
- **Project Management** I have managed many successful projects in different areas, managed projects of total budget **\$140 Million.**
- **Providing Training** (Taught more than **3578** teaching hours, at **28** international training centers, governmental centers, universities, and colleges.
- **Manage Computer Training Centers;** I have been member of the board of management of Resala training centers, Interviewing and Evaluating more than 200 instructor and employee.
- **Automating Portfolio Management;** I have worked in deploying IBM® Rational® Portfolio Manager in IBM Cairo Technology Development Centre.
- **Telematics** I have worked in the *CERT-IBM telematics project*, in what is described by Information Week as the largest telematics deal in history of budget **\$125 Million.**
- **Embedded Systems for Automotive;** I have worked in joint project between IBM and Valeo.
- **Computer Networks** (Design, Installation, and Administration)
- **Lab Establishment** I have participated in establishment of two labs, electronic and hydraulic labs aimed to help in development of robots.

## Robotics & Mechatronics Experiences

I have participated in designing and manufacturing, assembling many robots. Either mobile or fixed robots. During my PhD, I have participated in the following robots:

1. **HYDROiD:** I have participated in electronic hardware and software development of the HYDROiD arm & head. Participated in creating many demos.
2. **Hobalala:** Safe and Low Cost Educational Open Platform for Humanoid Robot, it can be customized from the mechanical, electrical, sensors, and programming perspectives. It consists of 25 DOF.

3. **Romeo-2:** In this research project, we are presenting new design principle of the humanoid robot's arm; which is mixing the electric actuators with the hydraulic technology. In ROMEO, one arm will be completely actuated by electric motors which are very fast but has limited torque, and on the other arm, the elbow only will be actuated by compact hydraulic system which has very high torque capabilities.
4. **Holonomic Mobile base:** The robot architecture is consisting of 1- Three active holonomic wheel units. (Patent Pending) • Three 3000W high compact BLDC motors. • Three 48V Lithium batteries. • Three brushless DC motor controllers. • Three Electro-Hydraulic braking systems. • Three Fenders. 2- Three electric stabilizer legs. 3- High accuracy laser distance meter & Autofocus camera. 4- Main controller unit. 5- Portable computer. 6- Colour detector array. 7- Cooling system. 8- Safety laser scanner. 9- Emergency Stop buttons. The UGV's specifications; 120 Km/hr. the maximum speed and 135 cm diameter. The stability, power efficiency, manoeuvrability, customizability in dimension, good autonomy, high payload are the main specifications.
5. **6 DOF Articulated Robot Arm:** It is a 6-degree-of-freedom high dexterity electric manipulator that is ideally suited for a use on UGV. The high-performance actuators and carbon fiber structure provide a strong light weight arm with the power to complete a wide variety of tasks. Each actuator is consisting of Robodrive Brushless DC servo motor, Harmonic drive gear box, a very high precision rotary position sensor, torque sensor, and electromagnetic brake unit. However, it is 6 DOF but it's still light weight.
6. **Cartesian Robot manipulator:** This Cartesian manipulator consists of 4 DOF; base azimuth, x, y, z translation. X, Y, Z are linear actuators with zero backlash motorized ball screw mechanism. The manipulator also has the battery and 4 stepper motor drivers. This mechanism is characterized by very high precision, and effectiveness.
7. **Smart Gripper V1, V2:** The gripper is responsible for picking up the correct tool from the panel and grip it while rotating it.
8. **LCSMSA30 & LCSMSA70:** Low Cost Safe Modular Servo Actuators, it consists of Power Electronics Modules, Current sensor, DC motor, Gearbox, Force sensor, volt sensor, Microcontroller, Network, Position sensor. It can be speed/position/torque control.
9. I have participated in "**Controlling a Robot Arm Using Virtual Reality**" where we designed and executed robot control system and most of the virtual reality parts such that robot arm simulates exactly the movement of the human arm and with very high precision. This project has many applications and from the most important ones are the following: Removing the land mines from the western desert by controlling the robot arm remotely, where the user is in totally safe place, far away from any danger and controls the robot which will enter the mines fields to extracted without explosion. If any mine exploded suddenly as expected from an iron mine being exposed to the rain and to the hot of the desert sun from more than 50 years, it will explode in a cheap robot that costs 700 EGP. We can say that we saved human's life or human who is possibly lose a part of his body with 700 EGP ONLY.

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## International Robotics Competitions

Sep 2015 – Mar 2017      **Mohamed Bin Zayed International Robotics Challenge (MBZIRC) 2017**

I have participated in MBZIRC-2017 (Abu Dhabi) under Paris-Saclay University which was ranked as 9/143 all over the world. My role is the **System Architect**.

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## Teaching and Academic Experience

- Internationally recognized expert in providing training.
- Taught about **3578** Hours for **academic** and **non- academic** courses.
- Microsoft Certified Trainer since **2002**
- As a **lecturer**, I conduct weekly teaching sessions, lectures, and assign and mark grad projects, exercises and assess the progress of students.
- Supervised **162 undergraduate projects**, and **6 graduation projects**, two of them won international contests in Computer Engineering and Industry.

**Worked as freelance computer instructor since Winter 1999 in the following international training centers, governmental centers, institutes, universities, and colleges:**

1. Canadian International College (CIC), campus of Cape Breton University (CBU) Nova Scotia, Canada. School of Business, Information Management Department
2. Imparando (United Kingdom)
3. Amideast (Tunisia)
4. Arab Administration Development Organization
5. Amideast (Egypt)
6. Toshiba Elaraby (Egypt)

7. Sodic (Egypt)
8. Egabi Learn
9. SQS Software Quality Systems (Egypt)
10. Americana (Egypt)
11. Industrial Modernization Centre (IMC) (Head Quarter, Heliopolis, and Alex Branches)
12. Global Knowledge Cairo, Riyadh
13. Vodafone Egypt, Head office, Mokatam
14. Egyptian Banking Institute, Central Bank of Egypt
15. Hands-on Management Consulting
16. Mohamed Abdulmohsin Al-Kharafi & sons W.L.L Kuwait - Head Office
17. EMAK International Academy
18. New Horizons® Computer Learning Centers, Cairo, And Mansourah branch (MCTEC Microsoft Certified Technical Educational Center, CIW Certified Internet Webmaster, ORACLE® Approved Educational Center, CompTIA Certified Educational Center)
19. Marsa Alam International Airport
20. Fayoum University
21. Electronic Business Institute (EBI), Information and Decision Support Centre (IDSC), The Cabinet
22. Computer Engineering Department, Cairo University
23. CASBEC (Center for Advanced Software and Biomedical Engineering Consultations in Faculty of Engineering, Cairo University)
24. Main Computer Labs of Faculty of Engineering, Cairo University
25. Faculty of Computer Science, Cairo University
26. Resala Charity Community, Faculty of Engineering, Cairo University
27. Scientific Computation Center, Cairo University
28. EGYBYTE

#### **Managed and delivered the following courses:**

- Project Management Workshop
- Electric Circuit
- Robotics Level 1
- IT Project Management
- Microsoft® Project 2007, 2010
- ITIL® Service Management Foundation
  - Financial Management
  - Services Level Management
  - Availability Management
  - Services Portfolio Management
  - Services Catalogue Management
  - Capacity Management
  - Demand Management
  - Supplier Management
  - Services Continuity Management
- Presentation Skills
- Train the Trainer
- Change Management
- Exam Preparation Course for Project Management Professional (PMP®)
  - Project Scope Management
  - Project Cost Management
  - Project Human Resource Management
  - Project Procurement Management
  - Project Framework Management
  - Project Management Fundamentals
  - Project Time Management
  - Project Quality Management
  - Project Communications Management
  - Project Integration Management
  - Project Risk Management
- Business Leadership Series
- Business Etiquette Series
- Customer Service Series
- Business Communication Series
- Introduction to XML
- Planning, Implementing, and Maintaining a Microsoft Windows Server 2003 Active Directory Infrastructure, Course number 2279 (MCSE 2003)
- Implementing and Supporting Microsoft Windows XP Professional Course number 2272 (MCSE 2003)
- CompTIA A+ Certification – Core Hardware
- Introduction to Computers and Windows
- Computer Hardware and Maintenance
- Pascal language
- Advanced C++ and Object-Oriented Programming



- Spring 2007, Summer 2007, Spring 2008, Summer 2008, Spring 2009, Summer 2009, Spring 2010, Summer 2010 and Spring 2011
  - Course name: Object Oriented Programming Using Java
  - Course code: BTEC 316
- Fall 2007, and Fall 2008
  - Course name: Visual Basic.NET 2003, 2005
  - Course code: BTEC 311
- Spring 2008, and Spring 2009
  - Course name: PC Hardware and Maintenance
  - Course code: BTEC 105

#### Alumni - Theses Supervised - Graduation Theses

- April 2009 Hend Ahmed, Maha Mahib, Rana Gamal, Passant Yousef, Yasmin Serag, Youmna Shaker. **Mobile Point of Sales** (Won the best project in 2009)
- April 2009 Dalia Fouda, Bouthina Al-Moussa, Dalia Mina. **Automating Recruitment System** (Won the Second-best project in 2009)
- April 2009 Ayman Farouk, Maher Al-Macdesy, Moatz Gendia, Shady Awad, Tareq Nazeem. **Automating Ticket Online Reservation System** (Won the Third best project in 2009)

#### Trained employees or students from more than 115 Company or Organization in different fields:

- |  |                                       |
|--|---------------------------------------|
| • Charity  | • Telecommunications                  |
| • Military   | • Constructions                       |
| • Tourism  | • Petroleum, and Petrochemical Fields |
| • Information Technology   | • Airports                            |
| • Banking  | • Automotive                          |
| • Internet services Providers  | • Satellites                          |
| • Universities and Training Providers                                | • Exporting and Importing             |
| • Many Industries (Medicine, Marble, Paper, Plastics, Crystal, ....) |                                       |

## International Certificates

<b>SCRUM ALLIANCE®</b>		Certificant ID: 001087798
June 2020	<b>Certified ScrumMaster®</b>	CSM
<b>The International Consortium for Agile (ICAgile)</b>	242-18917-02df458a-9dfe-4edd-bf66-3711490c3c3b	
June 2020	<b>ICAgile Certified Professional</b>	ICP
<b>Dassault Systemes</b>		
September 2019	<b>CATIA – Brand Essentials</b>	
August 2019	<b>DELMIA – 3DLean – Articulated</b>	
October 2019	<b>CATIA – Electric engineering – Articulated</b>	<b>Certified Dassault Systemes Specialist</b>
<b>Global Knowledge</b>		
June 2011	<b>Active Leadership</b>	
<b>Project Management Institute</b>		PMP ID: 1270239
June 2009	<b>Project Management Professional</b>	PMP
<b>Sun Microsystems</b>		
March 2006	<b>Sun Certified Java Programmer (for Java™ 2 Platform 1.4)</b>	SCJP

**IBTA - International Business Training Association**

April 2008

**Certified Business Communication Professional**

CBP

**EASYSPEAKING**

June 2019

**CEFR: B2**

**Microsoft**

MCP Number: 2701025

September 2010	<b>Microsoft Certified Technology Specialist (Microsoft Office Project 2007, Managing Projects)</b>	MCTS
April 2003	<b>Microsoft Certified Application Developer (Microsoft® . Net)</b>	MCAD
January 2003	<b>Microsoft Certified Systems Administrator (Microsoft® Windows® 2000)</b>	MCSA
November 2002	<b>Microsoft Certified Trainer</b>	MCT
November 2002	<b>Microsoft Certified Systems Engineer (Microsoft® Windows® 2000)</b>	MCSE
November 2002	<b>Microsoft Certified Database Administrator (Microsoft® SQL Server™ 2000)</b>	MCDBA
May 2002	<b>Microsoft Certified Professional</b>	MCP



## Professional Memberships

- **IEEE** (Institute of Electrical and Electronics Engineers) since 2001
- **PMI** (Project Management Institute) since 2008
- **IEEE Computer Society** since 2001
- **IEEE Robotics and Automation Society** since 2005
- **IEEE Communication Society** since 2011
- **Egyptian Syndicate of Engineers (ESE)** since 2004



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## Previous Projects

1. Managing Project **"iTeach alliance"** (June 2020 – Present)
2. Participated in designed and implemented **"Huge 6-6 Hydraulic Stewart Platform"** (September 2013 – November 2017)
3. **"Simulated and Controlling Stewart Platform"** using Simscape Multibody™, (January 2016 – December 2017)
4. Participated in designing and implementing **"Very Powerful Holonomic Mobile Robot Base"**. Used Three active holonomic wheel units. (Patent Pending), Three 3000 W high compact BLDC motors, three 48 V Lithium batteries, three brushless DC motor controllers, Three Electro-Hydraulic braking systems, Three Fenders, three electric stabilizer legs, High accuracy laser distance meter & Autofocus camera, Main controller unit, Portable computer, Cooling system, Safety laser scanner, and emergency Stop buttons (August 2012 – April 2014)
5. Participated in designing and implementing **"6 DOF Articulated Modular Robot Manipulator"**. Used TQ-RoboDrive Servo BLDC motor, zero-backlash Harmonic Drive® Strain Wave Gears, ROBA®-servostop® electromagnetic brake, and RLS - Aksim™ rotary absolute encoder (September 2015 – March 2017)
6. Participated in designing and implementing **"Two Fingers Robot Gripper V2"** based on Robotiq 2-Finger Adaptive Robot Gripper (September 2015 – March 2017)
7. Participated in designing and implementing **"Driver for TQ-RoboDrive Motors (BLDC motor)"** used in hydraulic pump, Articulated Robot Manipulator, and Child Exoskeleton for Lower Limb. (January 2014 – March 2017)
8. Participated in designing and implementing **"Active Integrated Omni Wheel Motor for Holonomic Mobile Platforms"**. (October 2013 – March 2017)
9. Participated in designing and implementing **"4 DOF Cartesian Modular Robot Manipulator 1m x 0.7m x 1.8m + 360° Azimuth base"**. Based on RK Rose + Krieger products (September 2015 – March 2017)
10. Participated in designing and implementing **"All the Image Processing Algorithms Used in MBZIRC-2017"** Including OCR, Length detection algorithm, Side detection algorithm, Valve's angle detection algorithm, and Adjusting and fitting algorithm (September 2015 – March 2017)
11. Participated in designing and implementing **"Safe and Low Cost Educational Open Platform for Humanoid Robot: HOBALALA"**. Hopalala Robot is first safe and low cost educational open platform humanoid robot, that is suitable for Research purposes, Educational Affairs, and even for entertainment. Its designed to extend the field of robotics developers community, NOW, each one can customize Hopalala to match his own flavor. (November 2014- October 2016)
12. Participated in designing and implementing **"Low Cost Safe Modular Servo Actuators: LCSMSA30 & LCSMSA70"**. Using DC Motor, Gear Box, Power Electronics, Microcontroller, Network, Position Sensor, Current, Voltage, Force Sensors, and Speed/Position/torque control (November 2014- October 2016)
13. Participated in collecting and analysis the **"Human Gate Cycle"** using Vicon system (January 2013)
14. Participated in designing and implementing **"A Novel Compact Electrohydraulic Rotary Actuator for Elbow Joint used in Humanoid Robot: ROMEO"**. This Project with collaboration with Aldebaran (Now SoftBank Robotics), LIRMM, CEA, and LISV.
15. Participated in designing and implementing **"The Demos for Hydraulic Humanoid Arm for HYDROiD to show its ability to cut copper tubes, drill holes in thick wood, and using a hummer"**.
16. Designed and implement **"Driver for Moog Servo Valve Direct-Operated for Analog Signals Type: 30 and 35 Series"** (November 2013- January 2013)
17. Designed and implemented the hardware and firmware for **"Electronic Braille Quraan"** Project (August 2012 – April 2014)
18. Participated in designing and managing **"Automating LEONi's Requisition Process"** (January 2011- December 2012)
19. Participated in designing and managing **"Automating LEONi's Employees System"** (January 2011- December 2012)
20. Designed and implemented **"Quality Assurance System logger for WHS Egypt"** (August 2012 - November 2012)
21. Managed **"Commercial Registration Agency"** Project (January 2011- February 2011)
22. Participating in designing and managing a **"Automating LEONi's recruitment process"** Project (November 2010- December 2012)
23. Participated in designing and implementing a **"WHS Egypt for Plastics web site"** Project (October 2010 - May 2011)
24. Participated in designing and implementing a **"AI Fouad for Plastics web site"** Project (May 2010 - June 2010)
25. Managed **"League of Arab States - Electronic Content Management"** Project (February 2010 – March 2010)
26. Technically managed **"IBM Title Real Estate Management System"** Project (January 2009 - January 2010)
27. Supervised **"Automating Ticket Online Reservation System"** Project (October 2008 - May 2009).
28. Supervised **"Mobile Point of Sales"** Project (October 2008 - May 2009).
29. Supervised **"Automating Recruitment System"** Project (October 2008 - May 2009)
30. Managed **"Annotation Project"** (April 2008)
31. Participated in **"Deploying IBM ® Rational ® Portfolio Manager as a Project Management Tool for the Cairo- Technical Development Centre"** (March 2008 - March 2008)
32. Participated in **"Deploying IBM ® Rational ® Portfolio Manager as a Time Tracking Tool for the Cairo- Technical Development Centre"** (February 2007 - March 2008)

33. Participated in designing and implementing: Firmware and control circuit of a **“Exterior Building Painting Robot”** Using Embedded C, Keil  $\mu$ Vision, Atmel microcontroller 89C52 (May 2007).
34. Achieved designing and implementing a **“C-Box Explorer - Diagnostic Tool”** Using Eclipse Plug-in SDK 3.2 (October 2006).
35. I was one of the team members that develop **“CERT Falcon”** Project (April 2006 - September 2007)
36. Produced three packages **“Spectro, Colour Matching, and Wash Fastness”** Using MATLAB® 6.5 (October 2005).
37. Achieved a software game, which was **“Snake”** in C language (October 2005)
38. Achieved analyze and designing the website of **“National Institute of Standards”** for NIS (July 2005).
39. Achieved designing and implementing hardware project, which was a **“Controlling the Speed of DC Motor”** using C language, PWM (Pulse Width Modulation) in HCS12 Microcontroller (June 2005)
40. Achieved designing and implementing a **“Dyes Analyzer and Dyes Synthesis Systems”** (September 2004)
41. Participated in designing and implementing hardware project, which was **“Acquisition ISA Card”** using C language. It was an interfacing system for digitizing five analog signals Interfaced with ISA Bus (May 2004)
42. Participated in Presenting a **“Net Map”** project Used to discover and draw the network using Microsoft® Windows® Utilities (May 2004)
43. Participated in designing and implementing a **“Securing the Attendance System”** Using Java SDK, Java Card™ Platform and Open Card Framework (May 2004)
44. Participated in designing and implementing a **“PASCAL Compiler”** Using Parser Generator & Microsoft® Visual C++® 6 (May 2004)
45. Participated in testing a **“JPEG Encoder System”** Using Xilinx® WebPACK 4.2 (December 2003)
46. Participated in designing and implementing a **“Simple Network Card”** Using Altera® Max 10 (October 2003)
47. Participated in designing and implementing an **“Optical Character Recognition”** Using MATLAB® 6.5 Neural Network and Image Processing toolbox (December 2003)
48. Achieved designing and implementing Signal Processing project, which was an **“Voice Recognition”** Using MATLAB® 6.5 (August 2003)
49. Participated in designing **“Distributed Operating System Simulator”** using C++ (May 2003)
50. Achieved designing and implementing hardware project, which was an **“AM Transmitter”** (January 2003)
51. Participated in designing **“Operating System Simulator”** using Java (January 2003)
52. Achieved designing and implementing **“PDP-11 Microprocessor Emulator”** using Altera® Max 10 (November 2002)
53. Achieved designing and implementing an "Interfacing Card of Data Acquisition System" for **“Tripology and Spare Parts Center”**, Faculty of Engineering, Cairo University (Oct. 2001)
54. Achieved designing and implementing a Signal processing **“Audio Equalizer”** using MATLAB® 5.3 (April 2001)
55. Participated in designing and implementing a **“Frequency Meter”**. It computes the frequency of any input signal (April 2001)
56. Participated in database project for **“School System”** using ORACLE® (April 2001)
57. Participated in a software automation project. It was for automating a **“Faculty Control System”** beginning from the analysis phase till the design one. (April 2001)
58. Participated in hardware project, which was **“Robot 2000”** using Assembly language embedded in C language program. It was an interfacing system for controlling the robot arm to play Tic-Tack-Toe interfaced with parallel port. (November 2000)
59. Achieved a software game, which was **“Minesweeper-like”** in Pascal Language (September 1999)
60. Achieved a software game, which was **“PAC MAN -like”** in Pascal Language (August 1996).

## Technical Interests

- Mechatronics
- Robotics and Automation
- Computer Architecture
- Computer Interfacing & Microprocessors
- Logic Circuits design
- Digital Signal Processing
- Digital and Analog Electronics
- Embedded Systems
- Micro Controllers
- Computer Networks
- Computer Graphics
- System Analysis

## Invited Talks

### Presentations covering the following topics

1. Full business plan for Rescue Robots
2. Testing Machine for Transtibial and Transfemoral Prosthesis
3. Embedded System Architecture of Mobile Electronic Arabic Braille Panel for Reciting the Holly Qur'an (Rasm Al-'Uthmani)

4. A Novel Compact Electrohydraulic Rotary Actuator for Elbow Joint used in Humanoid Robot: ROMEO
5. The Importance of soft skills in building a new Egypt
6. Real Time Systems for Automotive
7. Comparison of Ethical Hacking Techniques and their countermeasures
8. Software Testing Techniques
9. Introducing Cost Estimation techniques - COCOMO II Model
10. Introducing Data Acquisition System
11. Introducing Business Leadership
12. Introducing Business Etiquette
13. Introducing Customer Service
14. Introducing Business Communication
15. Detection of the Fetal Heartbeats During Labour (DSP Application)
16. Introduction to Perl
17. Controlling a Robot Arm Using Exoskeleton for Land-Mines Disposal
18. Project Management Using IBM® Rational® Portfolio Manager
19. Time Tracking Using IBM® Rational® Portfolio Manager
20. Algorithms and Data Structures Using C
21. Introduction to Microsoft® Visual Basic® .NET
22. An Improved Genetic Algorithm of Optimum Path Planning for Mobile Robots
23. Object Oriented Programming Using Java
24. Introduction to Robotics
25. QNX System Architecture (Real Time Operating System)
26. GPS (Global Positioning System)
27. Introducing IEEE (Institute of Electrical and Electronics Engineers)
28. Dead Lock Recovery
29. ECU (Electronic Control Unit)
30. Introduction to VHDL (VHSIC Hardware Description Language)
31. Converting 2D to 3D (Image Processing Techniques)
32. DHCP (Dynamic Host Configuration Protocol)
33. Hardware Intelligent Agent
34. Introduction to Microcontrollers
35. Controlling a Robot Arm Using Virtual Reality (Graduation Project Proposal Presentation)
36. Intelligent Recommender System
37. Petrojet Hierarchy
38. Computer Hardware and Maintenance
39. School Automation

## Personal Skills

- Excellent communication & presentation skills
- Fast learner
- Impressive public speaker
- Broad scope of personal interests
- Ambitious, Confident and Persuasive
- Interested in social-technical activities
- A generalist rather than specialist
- Excellent analytical skills
- Dynamic with large capacity for work
- Goal oriented
- Well organized
- Sound decision maker

## Linguistic Skills

- Arabic (Mother Tongue)
- English CEF: B2 (Common European Framework)
- French CECRL: A1 (Cadre Européen Commun de Référence pour les Langues)

## Technical Skills

### Product Lifecycle Management

CATIA™, SOLIDWORKS™, DELMIA™

### Programming Languages

C/C++, Embedded C, Assembly, Pascal, Java™ 2 Platform 1.4, Microsoft® Visual C++® 6, Microsoft® Visual Basic® .NET, Perl, Python.

### **IDEs (Integrated Development Environment)**

Eclipse SDK 3.2.0, WSDD (Webshere Studio Device Developer), QNX Momentics Development Suite, Borland C++, Turbo Pascal, Microsoft® Development Environment 2003.

### **Cross Compilers**

Metrowerks CodeWarrior™ IDE, Keil µVision, mikroC

### **Microcontrollers, Microprocessors, and Digital Signal Processors**

Atmel 8051 Family, Esp. AT89C4051, AT89C52, Motorola HCS12(X) Family, Esp. MC9S12E128, Intel 80(x)86 Family, Texas Instrument TMS320 Family

### **Database Engines**

Microsoft® SQL Server™ 2000, Microsoft® ACCESS 2000, DBASE IV.

### **Server Operating Systems (Using and Administration)**

Microsoft® Windows® Server 2003, Microsoft® Windows® 2000 Server, Microsoft® Windows® 2000 Advanced Server, Microsoft® Windows® 2000 Data Centre Server, Microsoft® Windows® NT Server 4.0.

### **Client Operation System**

Microsoft® Windows® XP, Microsoft® Windows® 2000 Professional, Microsoft® Windows® NT Workstation 4.0, Microsoft® Windows® 9X, Microsoft® Windows® 3.11, LINUX, DOS.

### **Real Time Operating Systems**

QNX Ver. 4.24, QNX Neutrino Ver. 6.0.1, QNX Neutrino ver. 6.3.

### **Simulators**

Matlab® 6.5, Electronic Workbench MultiSIM® 2002 Package, ALTERA® Max+plus II 10, Xilinx® WebPACK 4.2.

### **Project Management**

Microsoft® Project 2003, IBM® Rational® Portfolio Manager V7.0.4.4

### **Source Code Analyzers**

PC-Lint™ C/C++ V8.0., QAC Source Code Analyser 6.0.1.

### **Word Processor**

LaTeX, Microsoft Word.

### **Software Configuration Management Tools**

CVS (Concurrent Versions System).

### **Ethical Hacking Tools**

Aircrack-ng, CommView, Camtech, Network Stumbler

### **Automated Build Tools**

Ant, Cruise Control.

### **Software Testing**

IBM® Rational® Test RealTime, JUnit.

### **Content Management System**

WordPress

### **Printed Circuit Board Design Software**

ORCAD® Release 9, EAGLE

## Miscellaneous

Visio® 5, Parser Generator 2, Microsoft® Office (versions: 97, 2000, XP, 2003 and 2007).

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# Training Courses (Ordered Chronologically)

## Soft Skills Courses

1. **Effective Listening** (Lynda.com, Year 2019)
2. **Working with Upset Customers** (Lynda.com, Year 2019)
3. **Business Communication – Certified Business Professional program (CBP)** (EMAK International Academy, Year 2008)
4. **كيف تحفظ القرآن في 56 يوم** (Awareness Corporation, Year 2007)
5. **أفكار ابداعية لتحفيظ القرآن الكريم** (Awareness Corporation, Year 2007)
6. **How to Speed Read with Accuracy** (Buzan Centres, Year 2005)
7. **How to improve your Memory** (Buzan Centres, Year 2005)
8. **Train the Trainer** (Resala Training center, Year 2003)
9. **Train the Trainer** (New Horizons® Computer Learning Centers, Year 2002)

## Project Management Courses

1. **Certified ScrumMaster Workshop “CSM”** (VIDSCOLA DWC, Online-live, Year 2020)
2. **ICAgile's fundamentals** (VIDSCOLA DWC, Online-live, Year 2020)
3. **Project Management: Solving common Project Problems** (Lynda.com, Year 2019)
4. **Human Resources Management in Practice – For Beginners** (Udemy, Year 2019)
5. **Project Management Fundamentals (PM10G)** (IBM World Trade Corporation, Egypt Branch, Year 2009)
6. **Contracting for Project Managers (PM12G)** (IBM World Trade Corporation, Egypt Branch, Year 2009)
7. **Getting Started Managing Projects in IBM Rational Portfolio Manager (PM45G)** (IBM World Trade Corporation, Egypt Branch, Year 2009)
8. **Getting Started Using IBM Rational Portfolio Manager for Project Team Members (PM48G)** (IBM World Trade Corporation, Egypt Branch, Year 2009)
9. **Managing Scope Exceptions in IBM Rational Portfolio Manager (PM49G)** (IBM World Trade Corporation, Egypt Branch, Year 2009)
10. **Creating and Managing Project Schedules in IBM Rational Portfolio Manager (PM50G)** (IBM World Trade Corporation, Egypt Branch, Year 2009)
11. **Project Management Orientation (PM54G)** (IBM World Trade Corporation, Egypt Branch, Year 2009)
12. **Financial Management for Project Managers (PM63G)** (IBM World Trade Corporation, Egypt Branch, Year 2009)
13. **Creating and Tailoring Project Management Systems (PM76G)** (IBM World Trade Corporation, Egypt Branch, Year 2009)
14. **Understanding WWPMM** (IBM World Trade Corporation, Egypt Branch, Year 2009)
15. **Exam Preparation Course for Project Management Professional (PMP®)** (EMAK International Academy, Year 2008)
16. **Software Project Management** (Software Engineering Competence Centre, Ministry of Communication & Information Technology, Smart Village, Year 2007)

## Computer Courses (Non-academic Courses)

1. **CATIA – Brand Essentials** (Dassalut Systemes, France, Year 2019)
2. **DELMIA – 3DLean – Articulated** (Dassalut Systemes, France, Year 2019)
3. **CATIA – Electric Engineering – Articulated** (Dassalut Systemes, France, Year 2019)
4. **Become a Professional Python Programmer** (Udemy, 2018)
5. **Linux for Beginners** (Udemy, 2018)
6. **Fundamentals of WSDD ver. 5.7.1 (WebSphere Studio Device Developer), OSGi (Open Services Gateway initiative)** (IBM World Trade Corporation, Middle East, Year 2006)
7. **Developing Embedded Applications for Automotive Industry** (IBM World Trade Corporation, Egypt Branch, Year 2005)
8. **VHDL (VHSIC Hardware Description Language)** (Software Engineering Competence Centre, Ministry of Communication & Information Technology, Smart Village, Year 2005)
9. **Digital Signal Processing Using MATLAB® 6.5** (High Tech Center Faculty of engineering, Cairo University, Year 2003)
10. **Neural Networks Using MATLAB® 6.5** (High Tech Center Faculty of engineering, Cairo University, Year 2003)
11. **Fuzzy Logic Using MATLAB® 6.5** (High Tech Center Faculty of engineering, Cairo University, Year 2003)
12. **Adobe® Photoshop® 7.0 me** (CASBEC Faculty of engineering, Cairo University, Year 2003)
13. **Automatic Control Using MATLAB® 6.5** (High Tech Center Faculty of engineering, Cairo University, Year 2003)
14. **Programming with MATLAB® 6.5** (High Tech Center Faculty of engineering, Cairo University, Year 2003)
15. **Administrating a Microsoft® SQL Server™ 2000 Database** (New Horizons® Computer Learning Centers, Year 2002)

16. **Querying Microsoft® SQL Server™ 2000 with Transact-SQL** (New Horizons® Computer Learning Centers, Year 2002)
17. **Designing a Microsoft® Windows® 2000 Directory Services Infrastructure** (New Horizons® Computer Learning Centers, Year 2002)
18. **Implementing and Administration Microsoft® Windows® 2000 Directory Services** (New Horizons® Computer Learning Centers, Year 2002)
19. **Implementing Microsoft® Windows® 2000 Network Infrastructure** (New Horizons® Computer Learning Centers, Year 2002)
20. **Implementing Microsoft® Windows® 2000 Professional and Server** (New Horizons® Computer Learning Centers, Year 2002)
21. **Microsoft® Windows® 2000 Network and Operating System Essentials** (New Horizons® Computer Learning Centers, Year 2002)
22. **Digital Signal Processing** (High Tech Center Faculty of engineering, Cairo University, Year 2001)
23. **Microsoft® Visual C++® 6** (CASBEC Faculty of engineering, Cairo University, Year 2000)
24. **PCB Fabrication and ORCAD® Release 9** (CASBEC Faculty of engineering, Cairo University, Year 2000)
25. **Micro Controllers (8051 Family, Esp. AT89C4051)** (CASBEC Faculty of engineering, Cairo University, Year 2000)
26. **Computer Interfacing** (CASBEC Faculty of engineering, Cairo University, Year 2000)
27. **Computer Hardware** (CASBEC Faculty of engineering, Cairo University, Year 1999)
28. **Digital & Analog Electronics** (CASBEC Faculty of engineering, Cairo University, Year 1999)
29. **Geographical Information System (GIS) using Geomedia®.** (CASBEC Faculty of engineering, Cairo University, Year 1999)
30. **Microsoft® Access 97** (Institute of statistical researches & studies, Cairo University, Year 1995)
31. **Using DB IV** (Institute of statistical researches & studies, Cairo University, Year 1995).
32. **Pascal language** (Institute of statistical researches & studies, Cairo University, Year 1995)
33. **C++ language** (Institute of statistical researches & studies, Cairo University, Year 1995)
34. **Microsoft® Windows® 3.11** (Institute of statistical researches & studies, Cairo University, Year 1995)
35. **Introduction and DOS** (Institute of statistical researches & studies, Cairo University, Year 1994)

## Languages Courses

### Centre des cours de langue de Mounira

1. **Découverte 1**, 2008

### British Council

1. **Level Seven Level, Conversation Programme**, 2005
2. **ielts Academic Level, ielts programme**, 2005

### Goethe-Institute Kairo

1. **German language, Grundkurs G1/2 (intensiv)**, 1996

## Volunteering & Charity Work

### IEEE (Institute of Electrical and Electronics Engineers) Activities and Responsibilities

- Cairo University, Computer Engineering Department Chapter Chair.
- IEEE Active Member.
- Participated in organizing of SBC (Student Branch Congress) 2002 and GOLD (Graduates Of Last Decade) 2002.
- Participated in preparing "Industry University Link Program in Egypt".

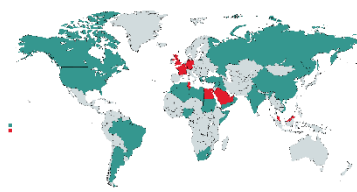
### Resala Training Center

- He was Management board member for RTC for many years.
- Delivered many courses in RTC.

## Travel Experience

Travelled to: **France, United Kingdom, Germany, Belgium, Tunisia, United Arab Emirates, Kuwait, Qatar, Saudi Arabia and Malaysia.**

I have worked with many nationalities from: **United States, Canada, Russia, Greece, Pakistan, Syria, Lebanon, Nigeria, Somalia, South Africa, Algeria, Morocco, Sudan, India, Yamen, Oman, China, South Korea and Japan.**





## Hobbies

- Horse Riding
- Reading
- Photography
- Shooting
- Museums
- Charity
- Travelling
- History
- Watching documentary movies

## Honors & Recognition Awards

Mar 2017	Certificate of Participation in MBZIRC-2017 from Khalifa University
Jan 2017	Certificate of the final selection phase, only qualified team from France to participate in MBZIRC-2017 from Paris-Saclay University and University of Versailles Saint-Quentin-en-Yvelines
Dec 2011	<b>Honor Plaque</b> from Shorouk Academy 2011 (for giving a speech around "The Importance of soft skills in building a new Egypt" and was dedicated from the President of the Shorouk Academy <i>Prof Mohamed Shouman</i> )
Dec 2011	<b>Honor Plaque</b> from Egyptian Russian University 2011 (for giving a speech around "The Importance of soft skills in building a new Egypt" and was dedicated from the President of the ERU <i>Prof Sherif M.Helmy</i> )
Nov 2009	He has been nominated to appear in the 2010 Edition " <b>Who's Who in the World</b> " 2009 (Founded in 1974 by Albert Nelson Marquis)
Apr 2009	<b>Canadian International College Students</b> (for supervising their graduation projects and Win the first three positions)
Jul 2008	<b>Outstanding Performance</b> from EMAK International Academy for outstanding performance in instructing Certified Business Professional (CBP)
Feb 2008	He has also been nominated to appear in <b>Great Minds of 21st Century by American Biographical Institute (ABI)</b> . (a major reference directory including just 1,000 of the world's top thinkers and intellectuals)
Oct 2004	<b>The Cabinet, Information and Decision Support Center, the Electronic Business Institute</b> (for training the first MCSE track)
May 2002	<b>IEEE Egyptian Student Branches</b> (for participating in organizing IEEE Student Branch Congress 2002 & Graduates of Last Decade Congress 2002)
Oct 1995	<b>La Rose De Lisieux Language School</b> (Exemplary Student)

## References

- **Prof. Ahmed M. Darwish**, Minister of State for Administrative Development, Professor in Computer Engineering Department, Faculty of Engineering, Cairo University (e-mail: darwish@ieee.org, web site: [www.amdarwish.com](http://www.amdarwish.com))
- **Prof. Nevin M. Darwish**, Chairman of Computer Engineering Department, Faculty of Engineering, Cairo University (e-mail: ndarwish@eng.cu.edu.eg)

## Social Network



[facebook.com/khaledmsfoda](https://facebook.com/khaledmsfoda)



[linkedin.com/in/khaledfoda](https://linkedin.com/in/khaledfoda)



[twitter.com/kfoda](https://twitter.com/kfoda)



[youtube.com/kmsfoda](https://youtube.com/kmsfoda)



[instagram.com/khaledmsfoda](https://instagram.com/khaledmsfoda)



[researchgate.net/Khaled\\_Foda](https://researchgate.net/Khaled_Foda)



[plus.google.com/107557059760364822738](https://plus.google.com/107557059760364822738)

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## Additional

Last updated on Sunday, July 12, 2020 Photocopies of all the documents and all the original certificates are available upon request or kindly see it on my web site <http://DrFouda.com>

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