



Name: Eng. Mohammad Saad Zaki Mohammad Ali
Rank: Senior Instructor - Electrical and Electronics Engineering

Personal Information

Nationality:	Egyptian
AU Joining Date:	14 Aug 2016
E-Mail Address:	m.zaki@au.edu.kw

Professional Information

Education:	<ul style="list-style-type: none"> [2001] Bachelor of Electrical Engineering (Telecommunications & Electronics), Faculty of Engineering, Alexandria University, Egypt Final Grade: Very Good [2011] Master of Electrical Engineering (Telecommunications & Electronics) Faculty of Engineering & Petroleum Kuwait University, Kuwait Final Grade: Distinction
Specialization:	Telecommunication and Electronics
Current Academic Position:	Senior Instructor - Electrical and Electronics Engineering
Current Professional Positions:	<ul style="list-style-type: none"> Active member of IEEE Organization. Member of IEEE Education Society. Member of IEEE Communication Society.
Previous Administrative Position Held:	NA
Previous Academic Positions Held:	<p>Teaching Assistant in the Electrical Engineering department at Alex University.</p> <p>Computer instructor in PAAET Department in New Horizon-Kuwait.</p> <p>Program Manager for training & PAAET department in SIMS Academy.</p>
Fellowships And Honors:	<ul style="list-style-type: none"> Cisco Certified Network Associate Microsoft Office Certified Certified Microsoft Educational Solutions. Citrix Solutions Certified.

	<ul style="list-style-type: none"> • HP Blades Pre-Sales Certified • HP ASC accredited sales consultant for HP Storage. • HP ASC accredited sales consultant for HP XP Storage. • Autodesk Building Technical Certified • EMC Storage design certified • EMC protection solution design certified • Member of IEEE • Member of the Kuwait Engineering Society • Member of the Egyptian Engineering Society • Member of the Australian Computer Society (ACS) • IEEE Student Branch Counselor
<p>Teaching Experience:</p>	<p>More than 10 Years</p>
<p>Industrial And Technical Experience:</p>	<ol style="list-style-type: none"> 1. Senior Design Engineer in Kuwait Electrical poles factory for 6 months Responsibilities: <ul style="list-style-type: none"> • Design electrical cubicles and bus bar systems for different projects • Approve designs from MEW 2. Assistant design and sales manager in Kuwait Digital Computer Co. for 5 years Responsibilities: <ul style="list-style-type: none"> • Design complete IT infrastructure solutions including but not limited to (Switching & Routing, Data Security, Voice Networks, Wireless Networks, Virtualization and cloud solutions) • Involved with decision-makers to approve the design. 3. Products Manager in National Computer Services for 6 years Responsibilities: <ul style="list-style-type: none"> • Design complete IT infrastructure solutions including but not limited to (Switching & Routing, Data Security, Voice Networks, Wireless Networks, Storage, Backup, Disaster Recovery, Virtualization and cloud solutions) • Involved with decision-makers to approve the design. • Supervise the implementation of the projects. • Project manager for mega projects. 4. Engineering products manager in Bader Almulla for 2 years Responsibilities: <ul style="list-style-type: none"> • Design complete IT infrastructure solutions including but not limited to (Switching & Routing, Data Security, Voice Networks, Wireless Networks, Storage, Backup, Disaster Recovery, A/V, Virtualization and cloud solutions) and integrate all these systems in one ELV solution for smart buildings.

	<ul style="list-style-type: none"> Involved with decision-makers to approve the design. Supervise the implementation of the projects. Project manager for mega projects. Design consultant for ELV systems
Research Interest:	Multimedia Mobile Communication - Experimental Study on Mobile Ad-hoc Networks (MANET) - Experimental study on Zigbee standard - IEEE 802.11g Standard Performance Measurement - Microwave Hyperthermia in Cancer Therapy (research) - Design and Layout of Three-bit Binary CMOS Multiplier Circuit – Costing in WDM Optical Networks – IoT – E-learning – Technology implementation in teaching.
Research Grants:	NA
Research and Publications including Journal and Books:	“TABLET-AIDED LECTURING EFFECTIVENESS: CASE OF THE AUSTRALIAN UNIVERSITY” which was accepted and published in CDIO 2020 16th conference proceeding
Paper Presentations at Professional Conferences:	TABLET-AIDED LECTURING EFFECTIVENESS: CASE OF THE AUSTRALIAN UNIVERSITY
University Service including committee Membership:	<p>IOSH certified.</p> <p>Certified in using advanced teaching and learning strategies and tactics for engaging students.</p> <p>Department Field trips Organizer.</p> <p>Member of Curriculum committee.</p> <p>AU winner of the graduation project exhibition in Spring 2019.</p> <p>AU winner of Teaching Excellence Award 2019.</p> <p>Winner of Excellent Tutor award in Huawei ICT competition 2021.</p> <p>Member of the E-Learning committee which created the path of transformation to the online and hybrid method of teaching.</p> <p>Member of Activity Committee.</p> <p>Member of PBL Committee.</p> <p>Member of Validation and Moderation Committee.</p> <p>Member of Auditing, QM and Accreditation Committee.</p> <p>Huawei ICT competition supervisor.</p> <p>AU IEEE Student Branch Counselor.</p>
National Service:	<p>Participated in the Arabic Robotics Challenge.</p> <p>Supervised the Winner of the IEEE 2019 Robotics challenge.</p> <p>Supervised the Winner of the IEEE 2019 Graduation Project challenge.</p>
University Committees:	<p>Member of Curriculum Committee</p> <p>Head representative of Activity Committee</p> <p>Member of PBL Committee</p> <p>Member of E-learning Committee</p> <p>Member of the Validation and Moderation Committee</p> <p>Member of Auditing, QM and Accreditation Committee</p>