

PERSONAL INFORMATION



Dr. Eng. Iyad ABUHADROUS

Professor of Computer & Robotics, Senior Researcher, SME
AI/ML Solutions Architect & Product Manager, Projects' Manager

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🌐 <https://www.linkedin.com/in/iyad-ayoub>

📄 <http://www.facebook.com/iyad.ayoub1> Skype: iyad_ptc (Iyad Ayoub)

Sex Male | Date of birth 21/11/1974 | Nationality Palestinian

WORK EXPERIENCE

01 Sept. 2024 – to present

Associate Professor – Head of Software Eng. Dept.

Egyptian Chinese University, Cairo, Egypt. <https://ecu.edu.eg/>

- -Head of Software Engineering Department: Oversee department operations, curriculum development, and faculty coordination to ensure high educational standards.
- -Course Instructor for Signals and Systems.
- -Committee Member: Actively participate in multiple university committees, contributing to strategic planning and decision-making processes.
- -Academic Quality Assurance Contributor: Collaborate on the preparation and review of academic quality files, aligning programs with accreditation standards and enhancing the university's academic reputation.

Sector University Lecturing · Undergraduate Teaching · Curriculum Development · Learning Management Systems · Learning Outcomes · Organization Skills · Problem Solving · Research

24 Sept. 2014 – to oct. 2023

Associate Professor of Computer Eng.

Palestine Technical College, Deir ElBalah, www.ptcdb.edu.ps

- Teaching, Training, Graduation Projects and Master thesis supervision, organizing events.
- Part-time Professor, Islamic University of Gaza, Electrical & Computer Eng (eng.iugaza.edu.ps)
- Part-time Professor, Al-Aqsa University, Computer & IT college
- Team member: **MS@CPS Erasmus+ project**

Sector Academics, R&D, IT, Computer and Control, Programming, Robotics, International Coop.

01 Sept. 2024 – to 30 Nov 2024

Project Manager

Corelia – A RICOH Company, Cairo, Egypt <https://www.corelia.ai/en/>

- Project Manager and Team Leader: Manage and lead cross-functional teams on key projects, including cybersecurity initiatives (SIEM, penetration testing) and AI-driven LLM projects.
- Application Development: Oversee the development of tools like the Opportunity Detector, enhancing business processes and customer insights.
- Collaboration and Mentorship: Support technical teams in different projects, fostering a collaborative and high-performance environment.

Sector Project Management & Planning · Technical Leadership · Project Scope Development · Machine Learning · AI Solutions.

1st Dec 2019 to Jan 2024

CEO and Team Leader

AURA Company

- Providing consultations, Management, technical support for teams for products design and development (Graphics design, Animation, Web and Mobile, IoT, Marketing and Content)
- Leading a team in the field of Internet of things
- From Idea to Product (Nine steps Methodology for invention)
- Research and Development, Developing Algorithms (AI/ML for sports and health apps)

- Technical Writing, Technical projects development
- Mentoring and Coaching of trainees from EFE (Education for Employment) on freelancing skills

Sector: Technology, Team Leading, Entrepreneurship, Creativity & Innovation, IoT, ML/AI

07 Feb. 2022 – 25—May 2022

Associate Professor

IUG University, Ph.D. Program - Electrical & Computer Eng (eng.iugaza.edu.ps)

- Teaching Robotics Course for Ph.D. Students. Part-time Professor, IUG University,

Sector Academics, Research and Development, Robotics, Algorithms, IoT, ML/AI

20 March. 2022 – 25-May 2022

Consultant - Mentor (Machine Learning and AI)

Rusol Center, Islamic Relief, Gaza,

- Training, Mentoring, Coaching, in Machine learning and AI. Targeted group: Kids (12-17 years) Skill development on STEM (ML, AI and Robotics, 24H, April-May. 2022

Sector Education, AI and Machine learning, STEM

01 Feb. 2023 – 30-Apr 2023

National Project Consultant for R&D and Technology Transfer Framework Development

UCAS Technology Incubator, Gaza, <https://www.linkedin.com/company/ucastiorg>

- Needs Analysis: Conducted comprehensive needs assessments to identify skill gaps among academics and private sector professionals in priority sectors like food systems, construction, tourism, heritage, and manufacturing.
- Evaluation of Supervisors' Skills: Assessed and provided recommendations to enhance the skills of academic supervisors overseeing graduation projects.
- Stakeholder Engagement: Conducted interviews, focus groups, and workshops with stakeholders, including private and public sectors, NGOs, and academic institutions.
- Report Generation: Produced detailed reports with practical recommendations for integrating the technology transfer framework and enhancing R&D initiatives.

Sector Entrepreneurship, Technology transfer, Higher Education

25 Jan. 2022 – 10-May 2022

Trainer - Mentor (Machine Learning and AI)

Pioneers and Leaders School, Gaza, <https://www.facebook.com/PLSqaza2021/>

- Teaching, Mentoring, Artificial intelligence and Machine learning Course. Targeted group: Kids (14-17 years)

Sector Education, AI and Machine learning, STEM

1st Sept. 2018 to Present

Professional Freelancer and Trainer (E-Work) – Top rated

Upwork, <https://www.upwork.com/freelancers/~010e6358c1ac3ef7da>

- Providing consultations, Technology, Entrepreneurship, Management
- Subject Mater Expert (SME)
- Programming MATLAB/Simulink, C/C++, Python (data science)
- Research and Development, Developing Algorithms
- Robotics, IVs, Machine learning
- Technical Writing, Proposal Writing, Research Writing

Khamsat and Mostaqel: Seller/ Freelancer in Feasibility studies, strategic Plans

Sector Technology, Project Management, Freelancing and Entrepreneurship, ML/AI

1st October 2017 to 30 January 2020

Project Manager

Gaza Community College GCCTS, www.gccts.edu.ps, World Bank Projects (www.tep.ps)

- (2yrs 4 months) • Management of "Developing Knowledge and Skills of Computer Technology Program Students to Meet the Needs of Labor Market" Project in Partinaria from Private sector "Palestinian Information Technology Association of Companies" (www.pita.ps <http://www.pfgt.ps/>).
- Preparing Financial and Procurement documents
 - Following up of the project implementation plan, procurement plan and budget
 - Needs Assessment, Curriculum Development and Accreditation including freelancing course
 - Follow up, Monitoring & Evaluation, Reporting, Quality Measurement Reports
- Sector** Information and Computer Technology & TVET, Quality Improvement

1st Oct. 2013 to
31 Dec. 2015
(2 yrs 3 months)

Project Manager

Palestine Technical College, World Bank Projects (www.tep.ps)

- Management of "Fashion Design & Dress Making Specialization Dev. at PTC-DB" Project in Partinaria from Private sector "Palestinian Federation of Garment and Textile Industry" (www.pfgt.ps)
- Preparing Financial and Procurement documents
- Following up of the project implementation plan, procurement plan and budget
- Needs Assessment, Curriculum Development and Mapping
- Follow up, Monitoring & Evaluation, Quarterly and Semi-Annual Report

Sector Fashion and Dress Making & TVET Development and Quality Improvement

1st Sept. 2013 to
30 Sept. 2015
(2 years)

Project Coordinator

Palestine Technical College, European Union & GIZ Projects (www.giz.de)

- Coordination of "Promoting Tourism Sector (Hotels & Restaurants) in Gaza" Project in Partenaria from Private sector "Palestinian Committee for Restaurants, Hotels, and Tourist Services" (www.deyafah.ps).
- Curriculum development (competency based- complex task approach) and accreditation
- Organizing events and workshops

Sector Tourism, Food & Beverage Management, TVET

2nd Sept. 2012 to
31 July 2015
(3 years)

Vice Dean for Planning & Development, Assistant Professor

Palestine Technical College", Dier El-Balah, Palestine, www.ptcdb.edu.ps

- Planning and Development, Academic and administrative
- Project Proposals Writing, Fund Raising
- Supervised departments: Quality, Projects, Continuous Education, Computer Center, and Planning & Development departments

Business, Sector P&D in Higher Education, TVET

February 2007
to May 2007
(3 Months)

Guest Scientist

International Postgraduate Program (IPP) at the University of Siegen, Germany (www.uni-siegen.de/zess)

- Support the navigation team (AtPos Project) for precise position and attitude calculation.
- Provide and gain experience in multi-sensor data fusion.
- Data analysis and evaluation. Planning, preparation and realization

Business, Sector R&D, Navigation Systems

Nov. 2006 – Sept 2007
(10 months)

Head of Planning & Development Department

Palestine Technical College", Dier El-Balah, Palestine

- Curricula Development, Projects' Proposal Writing
- College Annual Plan & Strategic Plan Preparation
- Self-Evaluation & External Evaluation
- Member of Quality Committee and Planning & Development Committee.

Business, Sector Planning and Development in TVET

- Sept. 2005 – Sept. 2014
(9 Years)
- Assistant Professor, Part-time Assistant Professor**
Palestine Technical College, Deir ElBalah, (www.ptcdb.edu.ps)
- Part-time Assistant. Prof., Islamic University of Gaza, Electrical & Computer Eng (eng.iugaza.edu.ps)
 - Part-time Assistant. Prof., Al-Azhar University, Gaza (www.alazhar.edu.ps/arabic/eng/home.asp)
 - Part-time Assistant. Prof., Al-Quds Open University, KhanYounis & Alwosta Branches (www.qou.edu)
 - Teaching, Training, Graduation Projects and Master thesis supervision, organizing events.
- Business, sector** Education, Research and Development, IT, Computer and Control
- From 1st Sept. 2005
to 10 Nov. 2006
(1 year 2 months)
- Head of Engineering Professions Department**
Palestine Technical College", Dier El-Balah, www.ptcdb.edu.ps
- Assistant Professor in PTC "Palestine Technical College", Dier El-Balah, Palestine
 - Curricula Development (Diploma and B.Sc.).
 - Self-Evaluation: Wired & Wireless Communications dept. (2-years diploma).
 - Member in Quality Unit at PTC & Planning & Development Committee.
 - Management of the Engineering Professions Department.
 - Direction and managing the 1st Robotics Context between Palestinian universities in Palestine.
- Business or sector** Management, TVET, Education, Academic activities
- From Dec. 2001
to June 2005
(3 yrs 6 months)
- Research and Development R&D Engineer**
Ecole des Mines de Paris - PSL, Robotics Centre, ARCOS Project (Action de Recherche pour une COnduite Sécurisée. Paris, France
- Management of a research project.
 - Data analysis and evaluation. Planning, preparation and realization of a field tests, acquisitions and measurements.
 - Development & validation of algorithms for multi-sensor data fusion (DGPS, Inertial, Odometry) for the localization of land vehicles in real time.
 - Realization of a system allowing the digitizing and the modelling of urban environments by a laser scanner.
 - Communications and oral presentations in international conferences
- Business or sector** R&D, Intelligent Vehicles, ITS, Robotics
- From 1st Feb. 2000
to 30th Aug. 2000
(6 months)
- R&D Engineer**
INRIA (Institut National de recherche en Informatique et en Automatique), La Route Automatisée (LaRA) Project. In cooperation with Frog Navigation Technologies (<https://team.inria.fr/rits>)
- Installation of a laser rangefinder (IBEO) on an automated vehicle for the detection and the avoidance of obstacles.
 - Implementation of the system and development of the algorithms in C/C++.
 - Study and analysis of telemetric data. Working with the protocol (CAN).
 - Real time programming. Field tests. Autonomy total
- Business or sector** R&D, Intelligent Vehicles, ITS, Robotics
- 2001 (1 year)
1998/99 (2 years)
- Electronics Engineer, Trainer**
Industrial Data Processing Department, Palestine Technical College, Dier El-Balah, Palestine
- Development of courses materials. Preparation of the practical works and implementation
 - Supervising and management of end of study projects.
 - Capacity to animate a group of (25 students).
 - Design and validation of a packaging machine by using the programmable logic controllers
 - Industrial relationships (National and International Universities).
- Business or sector** Industrial data processing & Automation

- From Nov. 1998 to
Jan. 1999 (2 Months) **Electronics Engineer**
CERMA (Centre d'Etudes et de Recherche en Mécanique et Automatismes), Paris-France.
- Studying the architecture & implementation of the automated industrial systems using PLCs (Programmable Logic Controllers).
 - Programming of the PLCs in Grafset language.

Business or sector Industrial data processing & Automation

- From Feb. 1996 to
30 July 1997 (6 months) **Electronics Engineer/Trainee**
Samsung Factory and Sharp Company, Amman-Jordan
- Television assembly lines. Maintenance and repairing of electronic devices.
 - Working on various apparatuses for analysis and tests of electronic components.

Business or sector Electronics Industry

EDUCATION AND TRAINING

- From Dec. 2001 to
January 2005 **Ph.D. in Computer, Automation & Control (Robotics), Electrical Eng.**
Grand Ecole supérieur des Mines de Paris - PSL, Robotics Center, "Informatique temps-réel, Robotique et Automatique", with the highest honorable degree. Paris, France (caor-mines-paristech.fr).
- Subject:** Onboard real time system for 3D localization and modelling by multi-sensor data fusion
- R&D Engineer, ARCOS Project (Action de Recherche pour une COnduite Sécurisée).
 - Management of a research project. Planning, Data analysis and evaluation, preparation and realization of a field tests, acquisitions and measurements.
 - Development & validation of algorithms for multi-sensor data fusion (DGPS, Inertial, Odometry) for the localization of land vehicles in real time.
 - Realization of a system allowing the digitizing and the modeling of urban environments by a laser scanner.
 - Communications and oral presentations in international conferences
- Sept. 1999 to
July. 2000 **Master in Robotics (DEA)**
UPMC (Pierre et Marie Curie - Paris VI Jussieu) (Sorbonne University), Paris-France, DEA "Diplôme d'études Approfondies", Option : Intervention and Service Robots.
- Subject:** Obstacles detection and avoidance using Laser scanner by an autonomous vehicle
- R&D Engineer, INRIA (Institut National de recherche en Informatique et en Automatique), La Route Automatisée (LaRA) Project. In cooperation with Frog Navigation Technologies
 - Installation of a laser rangefinder (IBEO) on an automated vehicle for the detection and the avoidance of obstacles.
 - Implementation of the system and development of the algorithms in C/C++.
 - Study and analysis of telemetric data. Working with the protocol (CAN).
 - Real time programming. Field tests. Autonomy total.
- From Sept 1992
to June 1997 **Bachelor of Science in Electronics Engineering**
Hijawi Faculty for Engineering Technology, Yarmouk University, Irbid-Jordan (<http://hijawi.yu.edu.jo>)
- Electronic systems Engineering, Rating: very good
 - Practical Experience, Design and Implementation of electronic systems

- From Sept. 1991
to June 1992 **General Secondary Education Certificate (Tawjihi)**
Haroon El-Rasheed Secondary School, Khan Younis Palestine
- Scientific Section.
 - Rating: very good. 5th on the General Class in Gaza Strip

PERSONAL SKILLS

Mother tongue(s) Arabic

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C2	B2	B2	C1
French	C1	C1	B1	B1	B1

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
[Common European Framework of Reference for Languages](#)

- Communication skills**
- Good communication skills gained through my experience as trainer, teacher, coordinator, manager
 - Communications and oral presentations in local and international conferences

- Organisational / managerial skills**
- Leadership
 - Team Work Skills, team leading
 - Preparing annual and strategic plans, Organizing events

- Computer skills**
- Tools, Software**
- Visual Studio, MS Office, Outlook, MS Project, Visio, MS Publisher,
 - Access, DeZign for Databases.
 - Matlab/Simulink, RTMAPS (real time acquisitions & processing)
 - Pspice, OrCAD, Electronic Workbench, Proteus, MultiSim (simulation and fabrication of electronic circuits), and AutoCAD
 - Macro Assembler, DOS debugger.
 - Statistical Analysis using SPSS (questionnaire development, test and reporting)
- Programming Languages**
- C/C++, Python, Visual C++ (MFC), Visual Basic, VBA, Matlab, OpenGL, Pascal, VHDL, PHP & HTML, Java Script, Assembly (Intelx86 et MCS 8051), Grafcet, Ladder Diagram "SFD".
 - **Application Server** : Apache server, IIS server
 - **Databases** : MySQL, MS Access, Oracle "intermediate"
 - **Operating Systems**: Windows 8, 10, Unix, Linux, Rasbian
 - **Hardware & Electronics**: PCs, Arduino Uno and Mega, Raspberry Pi 3, Basic Stamp, CPLD, FPGA, Analog/Digital, PCBs, PLCs, CuBlock CB220, XPort, GPS, IMUs, IBEO Laser Scanner, Barcode Reader
 - **Comms/Networking Protocols**: CAN, ARCnet, Serial, I2C, Internet, TCP/IP, LAN/WAN, ADSL

- Job-related skills**
- Good Managerial skills
 - Good Knowledge in Financial Management
 - Excellent Communication and Team Work Skills
 - Excellent Report Writing
 - Data analysis and evaluation, planning, assessment.
 - Communications and oral presentations in international conferences

- Other skills**
- Hobbies**
- Swimming
 - Table tennis
 - Playing chess

Driving licence B (Private)

ADDITIONAL INFORMATION

- Honours and awards**
- Awarded a scholarship for B.Sc. period of study (1992-97), due to my distinction in the secondary school (the 5th on the General Class in Gaza Strip), by UNRWA
 - Awarded a scholarship for M.Sc. research project "stage rémunéré" by INRIA in 1999
 - Awarded full scholarship for Ph.D. studies by French Government (BGF)
 - Received extra fund through Ph.D. studies from Ecole des Mines

- Scientific visit to Jordan University of Science & Technology, 1999
- Guest Scientist in International Postgraduate Program (IPP) at the University of Siegen, Germany, 3 months, 2007.
- Study tour, Jordan Applied University (JAU) for Hospitality and Tourism Education, 17-21 Nov. 2013, Jordan.

Memberships

- JICA friends membership, Knowledge Co-Creation Program, Participant No. D1507295, Oct. 2015.
- GIZ Alumni
- Leader of Palestinian Society for Robotics, Since 2013
- Association of Engineers, Palestine. Member Since 2001
- Ecole des Mines de Paris, Member of the researchers association. (ACMIP).
- The Arabian Group for the Development of Technology Education", (agdte). Since April, 2001
- Member of "General Union of Palestinian Students" "GUPS", Since 1999. and General Secretary of the association in 2004. Paris. France

Teaching Experience

- **Teaching Courses for B.Sc., Master and Ph.D. Students in Control Engineering, IUG, Gaza, 2005-2013, 2022**
 - Robotics Control, for Master and Ph.D.
 - Fuzzy Control, Stochastic Control,
 - Introduction to Programming using C++ for B.Sc. in Electrical Eng.
- **Teaching Courses, B.Sc. in Computer Science and Mobile phone programs at Al-Aqsa University**
 - Entrepreneurship and Freelancing course
- **Teaching Courses, B.Sc. in Computer Systems Engineering and ICT programs at PTC-DB**
 - Advanced programming Using Python,
 - Artificial Intelligent and Machine Learning
 - Digital systems design, Digital Logic Fundamentals and Interfacing Techniques (MCs)
 - Advanced microprocessors, Linear control systems
 - Digital Image Processing, Probability and Statistics, Computer Graphics
 - Electricity and Magnetism (Physics II)
 - Freelancing and Entrepreneurship for Computer Systems Engineers
- **Teaching courses, Palestine Technical College", Dier El-Balah, Palestine, 2005/06:**
 - Digital Electronics, Digital Systems Design & FPGA,
 - Signals & Data Communication, Linear Control Systems.
- **Teaching Courses for Computer Information Systems (CIS) Program, Quds Open University, 2000**
 - Computer Architecture and Assembly Language
 - Data Communications and Networks
 - Digital Logic Design, Computer in Education.
 - Programming using FORTRAN, Computer Graphics (Pascal/C, C++).
 - Final Graduation Projects Discussion & Evaluation.
- **Teaching Courses for Business Administration (B.A) Program, QOU, 2007-2009, 2017**
 - Computer Applications in Administration.
 - Computer Applications in the Financial and Banking Sciences.
 - Systems Analysis and Design.
 - Information Systems Security
- **Teaching Courses for Mechatronics Engineering Program, Al-Azhar University, Gaza, 2007-2009**
 - Linear Control Systems.
 - Robotics & Automation.
- **Teaching theoretical and practical courses, Industrial Control and telecommunications Diploma, Palestine Technical College, Deir El-Balah, Palestine, 2001, 1998/9:**
 - Digital Electronics, Electronic Maintenance.
 - Feedback Control Systems.
 - Telecommunications Principles.
 - Interfacing with C language, Microcontrollers (80c552), and
 - PLCs systems (Telemecanique TSX17, MELSEC FX2-32MR Mitsubishi and Goldstar) and
 - programming using Grafcet, ladder diagram and Mnemonics languages
-

Training Experience

Working as Trainer/Mentor

- ToT in Artificial Intelligence and Machine learning for kids, for 18 teachers from ministry of education, 60 Hours, UNESCO, Gaza.

- ToT Freelancing for Academics, 30H, 22 January – 17 Feb 2022, Conducting training online for 45 Academics from Gaza universities, Mercy Corps and Gaza Sky Geeks
- ToT Freelancing for Academics, 40H, September 2020, Conducting training online for 58 Academics from Gaza and west bank universities, Mercy Corps and Gaza Sky Geeks
- Projects Proposals Writing, 20h, PTCDB
- Training of Trainers, 18H, PCRHTS and GIZ, June, 2016
- ToT Freelancing for Academics, 36H, August 2019, Mercy Corps and Gaza Sky Geeks
- Digital Marketing, 15H, Sept. 2019, MOHE
- Skill development on STEM and Robotics, 30H, August-Dec. 2019, Islamic Relief
- Planning and Strategic Planning, 24H, Cybertech center, 2014
- SPSS, 24H, Cybertech centre, 2014
- Systems Analysis and Design, 20H, Cybertech center, 2013
- Robots and Arduino, ToT, 20H, Culture and free thought association, Khan Younis, 2017
- Mobile Applications Using App inventor, 20H, MOHE, Alwosta
- PC & Motherboard Maintenance, 30H, Cybertech center, 2014
- ICDL, 40H, Cybertech center, 2014
- FPGA programming, 30H, PTCDB, 2011

Presentations Seminars

- Indoor localization techniques, Scientific Day, Information Technology Faculty, IUG 11-May 2022.
- Arduino, Telecommand and IoT, International Day of Arduino, Projects and Research Center, Islamic University, Gaza, 1st April 2017.
- Robotics World Seminar, in Education Technology Educational tools exhibition, Islamic univ. 7th march 2017
- Robotics and Intelligent Vehicles, Software and Smart Systems Day, Information Technology Faculty, IUG 20th march 2017.

Attended Training

- Conflict Management, "gestion des conflits", 5-6 May, 2005
- Team Building and Management, "piloter une équipe", 2004
- Project Management, "gestion des projets"
- Work Sessions Management "Conduire des Réunions de travail", 7-8 March, 2005
- Public Speaking Skills, "S'exprimer en public", 6-7, Jan. 2003.
- Professional Communication Skills, "savoir communiquer en situation professionnelle", 3-4, 2003
- Strategic Planning,
- Certificate in Total Quality for Higher Education Institutions, MOHE, 2013
- SPSS (questionnaire development, test and reporting),
- Monitoring Evaluation and Reporting Day, GIZ, 6-11-2013
- Curriculum Development Workshop, GIZ, 3 days, 14-16 January, 2014.
- Upgrading of TVET institutions in Line with Labour Market needs, 11-18, Jan. 2015, Germany.
- "Capacity Development for Designing Competence-Based Examinations and Assessments in Technical and Vocational Education and Training (TVET)", 22-23 Feb. 2015, Ramallah, Palestine.
- Finance for Nonfinancial Managers, Islamic Relief, 4 days, February, 2015.
- Supportive international approach to increase and improve the mobility and exchange, MED MOBIL Project, UCAS, 15th, June, 2015
- Round Table Discussion Meeting, The quality of front-line workers in the tourism sector, Palestinian Market Development Program (PMDP), 28 May 2015.
- Human Resources Capacity Development on "Japanese Hospitality - Omotenashi" in Tourism, JICA Kansai, Japan, from 14-Sept. to 10-Oct. 2015.
- Human Resources Management, Islamic Relief, 2 days, May, 2016.
- Marketing and Networking, Islamic Relief, 2 days, May, 2016.
- Training o Trainers, PCRHTS and GIZ, 3 days, June, 2016
- TOT training course on freelancing, Gaza Sky Geeks, Mercy Corps, 50 Hours, August 2018

Proposals Writing

- "Development of Engineering Professions Program, Industrial Control and Telecommunication", succeed and funded by International Bank and QIF-MOHE by 280KUS\$"
- "Fashion Design & Dress Making Specialization Dev. at PTC", submitted and accepted in behave of PTC-DB, status: funded by 235KUS\$ by World Bank, QIF, August 2013,
- GIZ and EU, submitted and accepted in behave of PTC-DB, titled "Promoting Tourism Sector (Hotels & Restaurants) in Gaza", September 2013, status: funded by 167K Euros.
- GIZ and EU, submitted and accepted in behave of College of Intermediate Studies, CIS, titled "Cellular &

- Electronics Devices Maintenance Diploma", September 2013, status: funded by 105K Euros.
- Establishment of Internal Quality System at PTC, submitted for World Bank.
- Development of Refrigeration and air conditioning Laboratory, March 2015, status: accepted and funded by Palestinian Telecommunication Group, 60K NIS.
- "Developing Knowledge and Skills of Computer Technology Program Students to meet the needs of Labour Market", GCCTS, succeed and funded by International Bank and QIF-MOHE by 151KUS\$"

Committees

- Program Committee Member, SENSORDEVICES 2016, Sensor Device Technologies and Applications, Nice, France
- Program Committee Member, ICOST 2015, 13th International Conference on Smart homes and health Telematics Inclusive Smart Cities and e-Health, 10th - 12th June 2015, Geneva, Switzerland.
- Program Committee Member, ICOST 2013, 11th International Conference on Smart homes and health Telematics. 19-21 June, Singapore.
- Member of Editors Committee, PTCDB Scientific Research Journal, Palestine Technical College, Deir El-Balah, 2013.
- Best Graduation Project Competition, Jury Member, IT Incubator, IUG, 2009
- Annual Robotics Contest, Head of preparatory committee, Jury Member, 2005, 2007, 2009, 2012
- Energy & IT scientific week, a preparatory committee member, Association of Engineers, 2012
- External Evaluation Committee Member, Evaluation of Applied Polytechnic for General Accreditation, AQAC, 2007
- Curriculum Development, (B-Tech in Electronics & Communications), 2006
- College Annual Plan & Strategic Plan Preparation, PTC-DB, 2007.
- Member in Planning & Development Committee, PTC, 2005.
- Member in Quality Committee, PTC, 2007.
- Scientific Research team member, PTC-DB, 2008.
- Internal Evaluation Committee Member, PTC-DB, 2006.
- Self-Evaluation: Wired & Wireless Communications dept. (2-years diploma), 2006.
- Member in Quality Unit at PTC-DB, Planning & Development Committee, 2005.
- Direction and Management of the 1st Robotics Context between Palestinian Universities in Gaza Strip, 2005, 2009, 2012, 2013.

Other Activities Activities for Community

- Author of Active Learning Guide, Free Culture and Thought July 2018
- Secretary, Parents Council, Al-Amal School for Girls, Khan Younis, since 2015-2016
- Consultation, Culture and free thought association, Khan Younis, since 2013
- Advisory Board Member, Computer Engineering Dept., IUG, 2015
- Training and Development Committee member, PCRHTS, since 2015
- Participation in writing a book "Technology" for tenth grade, Ministry of Education, 2015
- Author for the Robotics Unit, "Technology" book for 11th and 12th grades, Ministry of Education, 2016/2018

Thesis Advisor and Jury Member

- **Master Thesis Advisor, Islamic University of Gaza, Electrical & Computer Eng, 2005-2013**
 - Indoor localization (Hybrid system of IMU and RSSI of Wi-Fi based on Fuzzy Logic Control), Haytham F. Shamaly, April, 2021
 - Motion Estimation of On-road Vehicles from Moving Platform Using Stereo Vision, Hazem Jamal Abu Jalala, Sept. 2017
 - Study of Dynamic Weighing Systems, Ahmed M. Harb, September 2013
 - Fuzzy control strategy for the low bandwidth active suspension system, Mohammed H. F. AbuShaban, June, 2012
 - Design of an automatic synchronizing device for dual-electrical generators based on can protocol, Ahmad I. Abo Dabowsa, June, 2011
 - Modeling and Control of 5 DoF Robot Arm Using Supervisory Control, Ahmed Al-Assar, March, 2010
 - Simulation and Interfacing of 5 DoF Educational Robot Arm, Mohammed Abu Qasem, June, 2010
- **Master Thesis Jury Member, Islamic University of Gaza, Electrical & Computer Eng, 2005-2013**
 - Control and Modeling of 3DoF Parallel Delta Robot, Hamdalla AlAshgar, 2013
 - Trajectory Tracking Control of 3-DoF, SCARA Robot Manipulator, Atalla Abu Elsabah, Mahmoud A. Abu Elsebah, 2013
 - Energy Efficient Sustainable Buildings: Case Study Irada Building at IUG, Zaki M. Qaraa, 2013
 - Adaptive Hierarchical Fuzzy Controller for HVAC Systems in Low Energy Building, Fadi EIA'lami, IUG, March, 2013
 - Design of GA- Sugeno Fuzzy Controller for Sun and Maximum Power Point Tracking in Solar Array, IUG, Khaleel Elnoono, March, 2013
 - Ripple-free deadbeat Controller for Nonlinear Systems with Time-Delay and Disturbance, IUG, Safa AINajjar, Feb., 2013
 - Modern Electric Distribution Management System Case Study Rafah Governorate Distribution Grid, IUG, Nadia Mahdi, Dec., 2012

- A proposed SCADA System to improve the Conditions of the Electricity sector in Gaza Strip, IUG, Hassan Abu Mteer, July, 2012
- Solving Optimal Control Problem Via Chebyshev Wavelet, Atya A. Abu Haya, IUG, Nov., 2012
- Parameterization for Time-Delay Systems Based on Passivity and LMI Approach, Mohammad H. Aburezeq, 2011
- A New Approach of Robust Internal Model Control for Nonlinear Pendulum System, IUG, Walid R. Issa, 2011
- Parameters Identification of A Permanent Magnet DC Motor, Mohammed S. Z. Salah, IUG, December, 2009
- **Final Graduation Projects' Advisor for B.Sc. in Computer Systems Engineering, PTC-DB, 2006-2018**
 - The solar tracker: Design of Two-Axis Sun Tracking System for PV Panel.
 - Mobile Robot Control Using Bluetooth
 - Web-Based Monitoring and Control System
 - Database Application for Library System
 - Design and Implementation of Mini CNC Machine Using Arduino
 - Smart Gloves Sign Language Translator Glove for Deaf & Dumb
 - Driver Assistance System based on Computer Vision
 - Fire Fighting Robot
 - Applications with the BOE-BOT Mobile Robot

Publications

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