

Curriculum Vitae

Name: Zeyad Abdulwahid Karam.
Marital Status: Married.
Nationality: Iraqi.
Birth: 28/11/1988.
E-mail: zyad_karam88@yahoo.com
Mobile No: 00964 7707886848.



Profile:

Assistant Lecturer in Systems Engineering Department/Collage of Information Eng./ Al-Nahrain University since 25/12/2016.

Previews Position with experience:

-Rapporteur of the department of computer science, Hayat University, Erbil, Iraq, from 1/9/ 2014 to 31/8/2015.

-Head Assistant for the computer science department, Hayat University, Erbil, 2014-2015.

-Member of the scientific committee in the department of computer science, Hayat University, Erbil, 2014-2015.

-Charmian of the quality assurance committee in the department of computer science, Hayat University, Erbil, 2014-2015.

-General coordinator of the faculty of sciences with the central scientific committee of Hayat University 2014-2015.

-Member of the examination committee at the faculty of science, Hayat University, Erbil, 2014-2015.

-Assistant Lecturer in Laennec French University (LFU)/ IT Department, Erbil, Iraq, from 1/9/2015 to 14/3/2016.

-Member of the scientific committee in the department of IT, LFU, Erbil, 2015-2016.

-Member of the committee on quality assurance in the department of IT, LFU, Erbil, 2015-2016.

-Member of the examination committee at the faculty of science, LFU, Erbil, 2015-2016.

-Assistant Lecturer in AL Essr'a University/ Computer Engineering Department, Bagdad, Iraq, from 15/3/2016 to 24/12/2016.

-Member of the examination committee at the faculty Engineering, Al- Essr'a University, Bagdad, 2015-2016.

-Charmian of the quality assurance committee in the department of Computer Engineering, Al- Essr'a University, Bagdad, 2016-2017.

-Charmian of the student's affairs committee in the Computer Engineering Department, Al-Essr'a University, Bagdad, 2016-2017.

- General coordinator and designer for the registration department programs of the, Al- Essr'a University, Bagdad, 2016-2017.

- (THE CURRENT POSITION) Assistant Lecturer in Al- Nahrain University/ Collage of Information Engineering (COIE) / Systems Engineering Department (SE), Bagdad, Iraq, from 25/12/2016 until now.

-Member of the examination committee at the SE for years 2016-2017, 2017-2018 and 2018-2019.

-Member of the committee on quality assurance in the department of SE, COIE, for years 2017-2018, 2018-2019.

- Responsible about the Automation and Robotics LAB at the SE Department.

Validity of Teaching Methods and Scientific Title:

-I have validity of teach from Salahuddin University, Erbil, 2014.

- I have a scientific title from Salahuddin University, Erbil, 2015.

Courses Taught:

-Introduction to Computer- Petroleum engineering- First class- First Course (theoretical +LAB).

-Introduction to Computer- Environmental engineering- First class - First Course (theoretical +LAB).

-Electric Circuits Fundamentals and Design- Petroleum engineering- Second class - First Course (theoretical +LAB).

-Logic Design - Computer science-First class-Second course-(theoretical +LAB).

-Numerical Methods- Petroleum engineering- Second class- Second Course (theoretical +LAB).

-Computer Architecture – IT department- second class, first course, (theoretical +LAB).

-Matlab basics- IT department- Third class, first course, (theoretical +LAB).

-Power Electronics, Computer Engineering Department, third class, first course (theoretical +LAB).

-Engineering drawing and AutoCAD, Mechanic Eng. third class, first course.

- Digital electronics, SE and Compunction Eng. Second class, second course, (theoretical +LAB).

-Control Eng. SE Department, Second class, second Course, (theoretical +LAB).

-Logic circuits design, SE Department, first class, first course, (theoretical +LAB).

-Measurement and Instruments, SE Department, second class, first course, (theoretical +LAB).

-Microcontrollers and Interfacing, SE Department, third class, second course, (theoretical +LAB).

-Robotics and Automation, SE Department, fourth class, second course, (theoretical +LAB).

-Real time LAB, fourth class, first course.

-Digital control LAB, third class, second course.

-Digital signal processing LAB, fourth class, first course.

- Control Engineering LAB, third class, first course.

Education:

B.Sc.:

Graduate of 2010-2011, from Control and Systems Engineering Department (**Control Engineering Branch**).

M.Sc.:

Graduate of 2013-2014, from Control and Systems Engineering Department (**Mechatronics Engineering Branch**), with excellence degree in research year.

Laboratories working experience of B.Sc.:

First Class Laboratories: Electrical Circuits LAB., Logic Circuits LAB., and Visual Basic programming LAB.

Second Class Laboratories: Electronic (1) Circuits LAB., Logic Circuits LAB., C++ programming LAB., and Control (1) LAB.

Third Class Laboratories: Electronic (2) Circuits LAB., PLC LAB., 8086 Microprocessor LAB., Control (2) LAB, Pneumatic LAB., and Communication LAB.

Fourth Class Laboratories: Instrumentation LAB., Computer Control LAB., Automation LAB., Control (3) LAB, Fuzzy Logic LAB., Neural Network LAB., Genetic LAB., and Robotics LAB.

Final Year Project of B.Sc.:

“Light tracking small car by using PIC microcontroller”, the benefit from this work is the ability from deal with Microcontrollers systems and Mobile robot applications.

Accomplishments in B.Sc.:

- I was the first student in the third class of the control branch for the year 2009-2010.
- I was the first student in the fourth class of the control branch for the year 2010-2011.
- I was the first student in the control branch in the overall rate for four years (2007_2011).

Accomplishments in M.Sc.:

- I was the first student in the M.Sc. for Mechatronics branch for the year 2013-2014
- Got the excellence degree in master thesis research for design and implementation of medical rehabilitation robot manipulator.
- Publishing two papers though the research year one in journal and other in Conference.

Studied in B.Sc.:

- Microcontroller systems especially in PIC family.
- PLC Systems.
- Process Control; systems design.
- Classical Control; systems analysis and design.
- Modern Control; systems analysis and design.
- Advanced Control theories.
- Adaptive Control; systems design.
- Discrete Control; systems analysis and design.
- Intelligent Control and intelligent algorithms; analysis and design.

Certifications:

- I have TOEFL_ITP Certificate with degree of (457).
- I have Internet & computing certification (IC3) with degree of (82).
- I have a certificate of participation in the second Engineering Conference of Control, Computers and Mechatronics Engineering (ECCCM2, 2014).

M.Sc. Thesis:

My thesis is (Design and Implementation of rehabilitation Robot Arm), the benefit of this work is: designs of the robot electromechanical manipulators in medical application (implementation and design), design the interfacing systems (electric and electronic cards) for robot manipulators (Analog and digital circuits for driving and sensing systems), also the intelligent controllers and an intelligent adaptation algorithms (PSO) are design using Matlab program and PCI-1712 interfacing card.

Studies in M.Sc.:

- Robot design.
- Real time systems design.

- Mechanical systems design.
- Power electronic systems design.
- Optimization technique theories.
- Microcontroller systems design.
- Intelligent controller's design.
- Manufacturing systems.
- Modeling and systems identifications theories.
- Drive and actuators, for industrial applications.

Computer Abilities:

- Microsoft office (word, excel and power point).
- Matlab (programing and simulink designs), with highly abilities.
- PIC basic and PIC C of PIC microcontroller programing languages.
- C++ and Visual Basic.

Implementation Abilities:

- Electric drivers design for robot manipulators.
- Digital systems design for driving and sensing actuators of robot manipulators.
- Data acquisition cards design for interfacing the automation systems.
- Interfacing systems using Arduino and PCI cards.

Published Papers:

-Refer to the Google scholar link for the List of publications.

https://scholar.google.com/citations?hl=en&view_op=list_works&gmla=AJsN-F7AAAelbNtW1zTsiTyr_iFs3c-MVssb2Sr88AegHPbH8T0GubAUaPAZRggrKEf2sqlIoZ-atEmWJV1YBUr4TY_N1XIF2gyKgZcwu9q0G3ev9NWLKPw&user=xLBnZP8AAAAJ

Under Publishing Papers:

- Fractional Order PID Control for Active Suspension System using Whales Optimization Algorithm. 2019.
- Design and Implementation of Cascade PI_PD Interval Type-2 Fuzzy controllers for Semiconductor Packaging Two Axes Table. 2019.