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**Academic Curriculum Vitae**



**Personal Information:**

Full Name: Ahmed Khaled Ahmed

Academic Title: Assistant Lecturer

Email: Ahmad.ahmed@su.edu.krd

Mobile: +964 (0) 750 4728243

**Education:**

* I began my undergraduate studies in electrical engineering in 2002 and graduated in 2006.
* In 2010, I began my Master's degree program in Mechatronics and Robotics and graduated in 2012.
* I am currently pursuing a PhD in computer and control engineering.

**Employment:**

On March 3, 2007 I commenced working in the Engineering College's Electrical Engineering department. At first I started as a lab engineer and extended my experience with computers and programming in the computer laboratory. Upon completion of my master's degree in 2012, I began teaching students several engineering subjects, such as computer programming, mathematics, high voltage engineering, robotics, microcontroller programming, machine learning, computer assisted design, etc. I also supervised several student projects and assisted in the development of revised courses and curricula. I continued working in the Electrical Engineering department until 2020 when I left to pursue a PhD in Computer and Control Science.

Currently, I am pursuing a PhD in computer and control engineering, and I have published three scientific papers in the past two years.

**Qualifications**

Languages Speaking

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| Language | Understanding | Speaking | Writing |
| Kurdish (native Tongue) | Excellent | Excellent | Excellent |
| English | Very good | Very good | Very good |
| Arabic | Very good | good | Very good |

Courses Attended:

* Leadership & Communication Prepared by USAID & TATWEER (30.03.2010).
* TU BERGAKADEMIE FREIBERG.
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**Teaching experience:**

Teaching Undergraduate Degrees

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| # | Subject | Stage |
| 1 | [Computer Programming](https://drive.google.com/drive/folders/1ppEfp6mainQBjIMfLzJ4S_5LQhbBH06c?usp=sharing)  Electrical Engineering | Second stage |
| 2 | Mathematics II  Electrical Engineering | Second stage |
| 3 | [High Voltage Engineering](https://drive.google.com/drive/folders/0Bz5RdPknpCuVfnlVOV9BU2M0NEh3N2RXZlh3RVN3WXpvQmJUQW1RY1ozMWhvcmk3MmhjT1k?usp=sharing)  Electrical Engineering | Fourth stage |
| 4 | [Embedded Sys & MCUs](https://drive.google.com/drive/folders/1JZMhCdwRY3U5Ah2OVNPdsH9kGrDxzkoB?usp=sharing)  Electrical Engineering | Fourth stage |
| 5 | [Object Oriented Programming in C++](https://drive.google.com/drive/folders/102tIKieun8efNe-HY1QelhXSTjzCEODf?usp=sharing)  Electrical Engineering | Third stage |
| 6 | [Fundamentals Of Robotics](https://drive.google.com/drive/folders/117ECccIn_SfOz5jhaJgu-z8BmWwReeIe?usp=sharing)  Electrical Engineering | Fourth stage |
| 7 | [Introduction To MCUs](https://drive.google.com/drive/folders/1j5WEc7wx9Fe8YTsmV-8hufv7ZGxkADeL?usp=sharing)  Mechatronic and Mechanical Engineering | Third stage |
| 8 | Graduation Projects  Electrical Engineering Department | Fourth stage |
| 9 | [CIRCUITS II](https://drive.google.com/drive/folders/1kGY97d2hO2gUr8wh4ONndzRmMwls2EC9?usp=sharing)  Electrical Engineering Department | Second stage |
| 10 | [Meetings](https://drive.google.com/drive/folders/1ypd8Jpjox9IAvchjGdDw9HW3Joj-5Jje?usp=sharing)  Electrical Engineering Department | Second stage |
| 11 | [Meetings](https://drive.google.com/drive/folders/1ypd8Jpjox9IAvchjGdDw9HW3Joj-5Jje?usp=sharing)  Electrical Engineering Department | Fourth stage |
| 12 | [Meetings](https://drive.google.com/drive/folders/1ypd8Jpjox9IAvchjGdDw9HW3Joj-5Jje?usp=sharing)  Mechatronic and Mechanical Engineering | Fourth stage |
| 13 | [Meetings](https://drive.google.com/drive/folders/16B8KvB7NMhJM6LVnlkD3-m5ty1jrVkln?usp=sharing)  Mechatronic and Mechanical Engineering | Third stage |
| 14 | [Computer Aided Design and Manufacturing CAD/CAM](https://drive.google.com/drive/folders/1ZnZfRI1BNFmluFdxdqpi63mjse2TdlDf?usp=sharing)  Electrical Engineering Department | Fourth stage |
| 15 | [Projects Set 1](https://drive.google.com/drive/folders/1-BGcTO298eky0V7tuQHguioQbzmCVeL3?usp=sharing)  Mechanical and Mechatronics Engineering Department | Third stage |
| 16 | [Projects Set 2](https://drive.google.com/drive/folders/0B2Zx1PHFZv7TflBoZGFZUFZHVUVFZzFZVWFGeXZQUXFPMENudHBvTUN0Y19aUUlmQ2g5enM?resourcekey=0-1YJ4gVnDa1drUB6kj_Q33w&usp=sharing)  Electrical Engineering Department | Second stage |
| 17 | [Projects Set 3](https://drive.google.com/drive/folders/0B2Zx1PHFZv7TfnZ0U0ZYMVhURzl4R1ZiR1NrejRhTnJ3cE0xZXZqYTlSOWZTZnlWQ1FrZ28?resourcekey=0-D-4gkd5P517djOfWD88XiA&usp=sharing)  Electrical Engineering Department | Third stage |
| 18 | [Projects Set 4](https://drive.google.com/drive/folders/0B2Zx1PHFZv7TflFzazJyMWQwUzE1Umd5MVI1RjVKT0lBbUhCY2NMMlRXek4zM0o2b1V2NXM?resourcekey=0-eloWW2Qt4LNAavZEKTWaIA&usp=sharing)  Electrical Engineering Department | Fourth stage |
| 19 | Question Bank In OOP  Electrical Engineering Department | Third stage |
| 20 | Machine Learning (ML)  Electrical Engineering Department | Third stage |

Supervising Students

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| # | Research Title | Degree |
| 1 | Home Automation System Using Arduino   Electrical Engineering Department | Bachelor Degree(Research Project) |
| 2 | Design and Implementation of 3 DOF Robotic Arm   Electrical Engineering Department | Bachelor Degree(Research Project) |
| 3 | Go to Goal Robot   Electrical Engineering Department | Bachelor Degree(Research Project) |
| 4 | IOT liquid level monitoring system   Electrical Engineering Department | Bachelor Degree(Research Project) |
| 5 | Automatic Car Windshield Operation based On Atmega328 MCU   Electrical Engineering Department | Bachelor Degree(Research Project) |
| 6 | Design and Implementation of Senseless Two Wheeled Robot   Electrical Engineering Department | Bachelor Degree(Research Project) |

**Research and publications**

Researches

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| # | Research Title | Status |
| 1 | [REVIEW: THE RE-CONFIGURABLE ROBOTIC GRIPPER DESIGN, DYNAMICS, AND CONTROL](http://www.tjprc.org/publishpapers/2-4-1631010394-2IJRRDDEC20212.pdf)  Journal with DOI  International Journal of Robotic Research and Development - IJRRD  2021-09-07 | Published |
| 2 | [Simulation of the Dynamic Model of a 3-Axis Stabilized Satellite](https://zancojournals.su.edu.krd/index.php/JPAS/article/view/799)  Journal with DOI  1st International Conference on Engineering and Innovative Technology  2016-08-16 | Published |
| 3 | [Design of a New Modular Reconfigurable Gripper](https://www.temjournal.com/content/112/TEMJournalMay2022_763_771.pdf)  Impact factor Journal(Thomson Reuters)  TEM Journal  2022-05-29 | Published |
| 4 | [Design of a New Modular Reconfigurable Gripper](https://www.temjournal.com/content/112/TEMJournalMay2022_763_771.pdf)  Scopus  TEM Journal  2022-05-29 | Published |
| 5 | [Analyzing the Stress and Modal Behavior of a Reconfigurable Gripper’s Finger with Different Fabrication Materials](http://www.ijmerr.com/index.php?m=content&c=index&a=show&catid=216&id=1811)  Journal with DOI  International Journal of Mechanical Engineering and Robotics Research (IJMERR)  2022-10-25 | Published |
| 6 | [Analyzing the Stress and Modal Behavior of a Reconfigurable Gripper’s Finger with Different Fabrication Materials](http://www.ijmerr.com/index.php?m=content&c=index&a=show&catid=216&id=1811)  Scopus  International Journal of Mechanical Engineering and Robotics Research (IJMERR)  2022-10-25 | Published |

**Conferences and courses attended**

Paper Title: Simulation of the Dynamic Model of a 3-Axis Stabilized Satellite

Journal with DOI

1st International Conference on Engineering and Innovative Technology

2016-08-16 Published

**Professional Social Network Accounts:**

1. **ResearchGate** [**https://www.researchgate.net/profile/Ahmed-Ahmed-Asinger**](https://www.researchgate.net/profile/Ahmed-Ahmed-Asinger)
2. **Google Scholar** [**https://scholar.google.com/citations?user=1s-yXJEAAAAJ&hl=en**](https://scholar.google.com/citations?user=1s-yXJEAAAAJ&hl=en)
3. **Authorea**

[**https://www.authorea.com/users/466100-ahmad-khalid-ahmed**](https://www.authorea.com/users/466100-ahmad-khalid-ahmed)

1. **Academia**

[**https://salahaddin-erbil.academia.edu/AhmedKhaled**](https://salahaddin-erbil.academia.edu/AhmedKhaled)