

# CV

## RUAA RAAFAT ALKHAYALI

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DOB: January 20, 1982

### EDUCATION

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**MSc** University of Duhok, Power Engineering December 2021  
Thesis: "Modeling and Controlling of the Solar PV Array Feeding the Water Pumping System"  
Advisor: Dr. Lokman H. Hassan

**BSc** University of Technology, Control and System Engineering June 2003

### WORK HISTORY

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**IT Engineer**, Ministry of Electricity/Baghdad Feb 2004 to March 2006

**IT Engineer**, Iraqna(Zain) Telecommunication Company/Baghdad March 2006 to November 2006

**IT Engineer**, Mobitel Telecommunication Company/ Duhok November 2006 to October 2008

**Teacher Assistant**, University of Duhok October 2008 to October 2017

Work as teacher assistant, at College of Engineer, setting up Laboratories and giving lectures. Since I have started in the UoD I have been given every year different tasks in teaching and different lab setting, during this period I have gained variety type skill and a good step in personal professional development

**Lecturer Assistant**, University of Duhok December 2021 to Present

Work as Lecturer at the College of Engineer; power up my experience in electrical and power field. The subjects I given to student: Power electronics, Control system, Electrical Circuits, Mechatronics, and Digital System Design.

## TEACHING EXPERIENCE

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- Digital System Design Lab for 1<sup>st</sup> year of Electrical and Computer Engineering Department (2009 – 2014).
- Microprocessor Lab for 2<sup>nd</sup> year of Electrical and Computer Engineering Department (2009-2012).
- Electrical Circuit Lab for 1<sup>st</sup> year of Electrical and Computer Engineering Department (2010 - present).
- Electronic Lab for 2<sup>nd</sup> year of Electrical and Computer Engineering Department (2012 - 2017).
- Power electronic Lab for 3<sup>rd</sup> year of Electrical and Computer Engineering Department (2013 - present).
- Control Lab for 4<sup>th</sup> year of Electrical and Computer Engineering Department (2012 - present).
- Digital System Design Lab for 2<sup>nd</sup> year Biomedical Engineering Department (2021 – till now).
- Mechatronics Lab for 4<sup>th</sup> year of Electrical and Computer Engineering Department (2014-present).
- Supervising Mini Projects for 2<sup>nd</sup> year of Electrical and Computer Engineering Department. 2022 and 2023.
- Supervising a final year Project (Graduation Project) of Electrical and Computer Engineering Department. 2023.

## PUBLICATIONS

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### *Journal Publications*

SAFAALDEEN, R. R., & HASSAN, L. H. (2021). DESIGN OF A FUZZY CONTROLLER FOR SOLAR PV ARRAY FED WATER PUMPING SYSTEMS. *Journal of Duhok University*, 24(2), 76-89.

### *Journal Papers Accepted*

SAFAALDEEN, R. R., & HASSAN, L. H. (2021). DESIGN OF A FUZZY CONTROLLER FOR SOLAR PV ARRAY FED WATER PUMPING SYSTEMS. *Journal of Duhok University*, 24(2), 76-89.

## COMMITTEE MEMBERSHIP

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Start Member in the Absent Committee at Electrical and Computer Engineering Department (2021-present).

## **LANGUAGES**

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**Arabic:** Native Language

**English:** Advanced Listener, Intermediate Speaker, Superior Reading and writing

**Kurdish:** Advanced Listener, Intermediate Speaker, Novice Reading and Writing

## **COMPUTER SKILLS**

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**Programming:** Matlab, PLC

**Applications:** Microsoft Office

**Platforms:** Arduino