

## Curriculum Vitae

### Personal Information:

Name : Aws Hashim Neamah Al-Jrew  
Address : Iraq / Al-Muthanna / Samawa  
Mobile No. : 009647826659801  
E\_mail : aws.hashim@mu.edu.iq  
aws.jrew@yahoo.com  
Place and Date of Birth: Al-Samawa 26/9/1983  
Social Status : Married



### Education:

Education Level : Doctor of Philosophy PhD in Electrical Power Engineering from Basrah University / Basrah – Iraq.  
Graduation Year: 2023-2024  
Master Degree MSc in Electrical Engineering from University Tenaga Nasional / Malaysia – Putrajaya Campus.  
Graduation Year : 2011-2012  
Bachelor Degree in Electrical Engineering from Al-Mustansiriya University / Baghdad- Iraq.  
Graduation Year : 2004-2005  
Language : 1- Arabic- Native Language.  
2- English- IELTS Test with total score of 6.

### Work Experience:

- Work as an executive engineer in setting up & maintenance electrical power station of (GTG 25 MW Frame5) with Hankook Overseas Company (HOC) from Sep 2005 to May 2007 in Samawa
- Work as an executive engineer in setting up electrical power station of ( 2 \* 125 MW frame 9 ) with International Free company (IFC) from May 2007 to Jan 2008 in Najaf .
- Work as supervisor engineer in higher committee of construction on the Electrical projects of Samawa from Jan 2008 to Jan 2009.
- Work as an executive engineer in substation maintenance ( 33/11 kv) in Muthanna Governorate Electricity Distribution from Feb 2009 to Nov 2009 .

- Work as an electrical executive engineer for Biltur construction company (Turkish Company) in design and execute of electrical diagrams for apartment complex from April 2012 to July 2012.
- Work as Lecturer in University of Sadeq / College of Information technology from July 2012 to Oct 2015.
- Work as Lecturer in University of Al-Muthanna / College of science/ department of environmental science from Feb 2016 till July 2016.
- Work as Researcher in renewable energy field at Ministry of Science and Technology/ Iraq / Al-Muthanna branch from July 2012 till Dec 2017.
- Work as Lecturer in Al –Muthanna University / College of Engineering / Chemical Eng. Dept. from Dec 2017 till July 2019.
- Work as Lecturer in Al –Muthanna University / College of Engineering / Electronic & Communication Engineering Department / from Sep. 2019 till now.

### *Research Project Experience:*

Fuzzy logic controlled Maximum Power Point Tracker for 510W solar PV system ( master thesis) .

Design and implementation of multilevel power inverter for induction heating systems (PhD Thesis).

### *Journal Publications:*

- A. H. Al-jrew, J. R. Mahmood, and R. S. Ali, "Comparison of new multilevel inverter topology with conventional topologies used for induction heating system," Iraqi J. Electr. Electron. Eng., vol. 18, no. 1, pp. 48–57, 2022.

- A. H. Al-jrew, J. R. Mahmood, and R. S. Ali, "Design of PLL Controller for Resonant Frequency Tracking of Five-Level Inverter Used for Induction Heating Applications," Iraqi J. Electr. Electron. Eng., vol. 19, no. 2, pp. 169-178, 2023.

### *Teaching experience:*

Third Year, Energy Conversion I.  
 Third Year, Energy Conversion II.  
 Second Year, Network Analysis I.  
 Second Year, Network Analysis II.  
 First Year, Electrical Circuit Lab.

## *Computer skills:*

Work on AUTO CAD , MATLAB, Ansys, LabView, Comsol Multiphysics, Multisim and Microsoft Office.

Training course in ICDL & E-Government.