

# AZHAR KAREEM MOHAMMED



## PERSONAL INFORMATION:

- Full Name: Azhar Kareem Mohammed
- Date of Birth: 06 Jan. 1980
- Sex: Male
- Nationality: Iraqi
- Address: Iraq-Erbil gov. – Qwestan Qrt.
- E-mail: azher\_km@yahoo.com & azherkareem@gmail.com
- Telephone: Erbil: Personal Mobile **00964 750 4619317**
- Marital Status: Married
- Driving License: General type (No.353435 issued on 09/12/2004 ,valid till 11/07/2025)

## OBJECTIVE:

- Thermal Power and Thermal Solar Energy
- Mechanical engineer.
- Office engineer.
- Lecturer.

## EDUCATION:

- Ph.D. in Mechanical Engineering, Thermal Solar Energy, University of Salahaddin, Erbil-Iraq, 2019-2023
- M.Sc. in Mechanical Engineering, Thermal Power, University of Salahaddin, Erbil-Iraq, 2007-2009
- B.Sc. in Mechanical Engineering, University of Salahaddin, Erbil-Iraq, 1998-2002
- High School Certificate , scientific department, Rezgary high school, Erbil-Iraq, 1995-1998.

## SUMMARY OF EMPLOYMENTS AND PROFESSIONAL EXPERIENCES:

No.	Job Title/Position	Name of Organization	Place	Dates of Employment
1	Mechanical Engineer	Ministry of Electricity /Erbil distribution Electricity Directorate/Generation Department.	Erbil	19/03/2003 - 31/01/2011
2	Office Engineer	Zozik Company/Erbil office	Erbil	05/02/2005 - 01/10/2005.
3	Mechanical Engineer	Zozik Company / Ifraz water treatment project	Erbil-Ifraz	01/10/2005 - 01/05/2006
4	Mechanical Engineer	Middle East Company/Dream City project	Erbil-Ifraz	01/12/2006 - 25/012/2007
5	Lecturer	Ministry of Higher Education & Scientific Research Erbil Polytechnic University Erbil Technical Engineering College Mechanical and Energy Engineering Department	Erbil	01/02/2011 - 12/12/2016
6	Supervisor and Consultant of Mechanical Engineering	Private Seema Hospital	Erbil	10/06/2013 – 10/06/2015
7	Assistant Professor	Ministry of Higher Education & Scientific Research Salahaddin University Engineering of College Mechanical Engineering Department	Erbil	12/12/2016 - Until Now

\* For further detailed information see Annex.

## LANGUAGES:

- Kurdish (Mother Tongue). Excellent Read, write, understanding and speaking fluently.
- Arabic Excellent Read, write, understanding and speaking fluently.
- English Very good Read, write, understanding and speaking fluently. and I have IELTS Certification score band 5.5

## SKILLS & ABILITIES:

- Ability to excellent maintains of all part hardware of computer.
- Ability to excellent to lecture any course of mechanical engineering and software program.
- Experience working in remote and resource-deprived areas.
- Excellent communication and interpersonal skills with cross-cultural awareness.
- Small diesel generator. Maintenance of generator
- Knowledge and ability to utilize modern office equipment & computer software.

**COMPUTER SOFTWARE PROGRAMS:**

- Windows (xp,vista, windows 10)
- Microsoft Office (Word, Excel, Access, PowerPoint)
- AutoCAD 2014
- HAP 4.2 (Hourly Analysis Program) .Air-conditioning building designs.
- Internet
- Front page.

**OFFICE & FIELD MACHINES I CAN USE:**

- Photocopier machine.
- Communication hand test
- Camera Digital
- Scanner
- Plotter

**PROFESSIONAL SOCIETIES AND ACTIVITIES:**

- Member of KURDISTAN ENGINEERS UNION in ERBIL ID. Card No. (2567)

**WORKSHOPS AND TRAINING SESSIONS:**

- UNDP-Common Roof turning course of how to repair and maintenance of all parts of generation. Training session on 02/01/2004 to 17/01/2004.
- KURDISTAN ENGINEERS in Erbil course of training of how learn Microsoft office Access
- Bosan-South Korea .Training course of IC.Engine of generation Department 10/07/2007 to 20/07/2007

**INTERESTS AND HOBBIES:**

- Reading, Photo graphics and Football .

**REFERENCES:**

1. Ziyad Jamil Talabani

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Mobile No. : 00964 0750 466 2324

2. Nyaz Taher Aziz

E-mail : eng.niyaz@gmail.com

Mobile No. : 00964 0750 448 2058

**NB/** I certify that the statements made by me in above Résumé / Curriculum Vitae are true, complete and correct to the best of my knowledge and belief. I understand that any misrepresentation or material omission made on this form or other document requested by your respective agency renders me of the liable to termination or dismissal.

Any documents, papers, and certifications furnished upon request.

**Dr. Azhar Kareem Mohammed**

**DATE: 17 September 2023**

**DETAIL OF EMPLOYMENTS AND PROFESSIONAL EXPERIENCES:****1- 19/03/2003 – 31/01/2011**

**Title of the Post** Mechanical engineer  
**Name of Employer** Ministry of Electricity /Erbil distribution Electricity Directorate/Generation Department.  
**Address of Employer** Iraq-Erbil Governorate-Erbil 100st  
**Supervisor** Karaman Maulud Hamed

***Description of the works***

- Prepare and maintenance all generator that belonging in the Erbil distributed to all village.
- Lecturer training course of many program of computer.
- Monitoring the information for working all staff in small diesel.
- Preparing local requisition for local procurement and dispatch from store material.

**2- 05/02/2005 – 01/10/2005**

**Title of the Post** Office Engineer.  
**Name of Employer** Zozik Company/Erbil office  
**Address of Employer** Iraq-Erbil Governorate-Street 60 meter, near Halabja center  
**Supervisor** Wishyar kadir Omer

***Description of the works***

I am worked in company with USAID-DAI/Erbil Office:

- Supervisor of the renovation of any building
- Cleanup & cleanup of irrigation channels of any village.
- Preparing B.O.Q for project and making details for tendering.

**3- 01/10/2005 – 01/05/2006**

**Title of the Post** Mechanical engineer  
**Name of Employer** Zozik Company / Ifraz water treatment project  
**Address of Employer** Iraq-Erbil Governorate-Ifraz water treatment project  
**Supervisor** Yassen Al-Bazazz

***Description of the works***

I am worked in company with US army corps of engineers flour amec installation of all mechanical work of Ifraz water project such as:

- Pumps
- Valves (Air valve, Butterfly, Check valve, non return valve).
- Pipes (ductile iron, PVC, Fiber glass).
- Air blower and compressor.
- Flow meter
- Pressure gauge.

#### 4- 01/12/2006 – 25/12/2007

**Title of the Post** Mechanical engineer  
**Name of Employer** Middle East Company/Dream City project  
**Address of Employer** Iraq-Erbil Governorate-Dream city project Erbil.  
**Supervisor** Ahmed Abdulstar

##### *Description of the works*

I am worked in company Mechanical engineering Drawing more building house/Erbil Office

- Air condition in building outdoor and indoor
- All water way in building house such as bathroom and kitchen.
- All cold and hot water in building house.

#### 5- 01/02/2011 – 12/12/2016

**Title of the Post** Lecturer  
**Name of Employer** Erbil Technical Engineering collage/ Mechanical and Energy Engineering Department  
**Address of Employer** Ministry of Higher Education & Scientific Research / Erbil Polytechnic University  
**Supervisor** Dr.Banipal N.Yaqub

##### **Description of the works**

I am lecturer in Erbil Technical Eng.collage/ Mechanical and Energy Engineering Department

##### **First Class**

thermodynamics ,Workshop, mechanical engineering static and engineering drawing

##### **Second Class**

Strength Of Materials, Fluid mechanic and Refrigeration & Air-conditioning I.

##### **Third Class**

Heat transfer, Refrigeration & Air-conditioning II,IC Engine,

##### **Forth Class**

Power plant, Refrigeration & Air-conditioning systems Drawing.

#### 6- 10/06/2013 – 10/06/2015

**Title of the Post** Supervisor and Consultant of Mechanical Engineering  
**Name of Employer** Private Seema Hospital  
**Address of Employer** Iraq-Erbil Governorate- 100m street Behind Hyundai Company  
**Supervisor** Hussain Ramzi

##### *Description of the works*

I am worked in Hospital Supervisor and Consultant of Mechanical Engineering

- HVAC full system ( chiller, fan coil, AHU, piping fan coil and VRF)
- Domestic water system of the Hospital
- Waste water system of the Hospital
- Fire fighting system of the Hospital.

#### 7- 12/12/2016 –Until Now

**Title of the Post** Assistant Professor  
**Name of Employer** College of Engineering / Mechanical Engineering Department  
**Address of Employer** Ministry of Higher Education & Scientific Research / Salahaddin University  
**Supervisor** Dr.Ramadhan Hussain

##### **Description of the works**

##### **Third Class**

Heat transfer, Thermodynamics, Fluid mechanics and Power cycle

## Publications Papers

No	Title of paper and Link	Name of Journals	Location	Volume and page	Date
1	Free Convection Heat Transfer from Horizontal Cylinder with inclined Duct <b>Link:-</b> <a href="http://www.internationaljournal.org">www.internationaljournal.org</a>	International Journal of Arts & Sciences (IJAS) Conference	Munich, Germany	Volume 2(2) Page 269-279	23-26July 2013
2	Experimental Study of Steady State Natural Convection Heat Transfer From Cylindrical Heater in a Vented Enclosure <b>Link:-</b> <a href="http://www.oricpub.com">www.oricpub.com</a>	ZANCO Journal of Pure and Applied Sciences	Erbil-Iraq	Volume 28 No.2 Page 1-8	22May2016
3	Thermal radiation and free convection heat transfer from horizontal and vertical cylinders in enclosed system <b>Link:-</b> <a href="http://www.ijaestonline.com">www.ijaestonline.com</a>	International Journal of Advances in Engineering Science and Technology	India	Volume 2 Page 213-219	15Sept.2013
4	Experimental Performance of Two-stage Evaporating cooling system <b>Link:-</b> <a href="http://www.saspublisher.com">www.saspublisher.com</a>	Scholars Journal of Engineering and Technology (SJET)	India	Volume 1 Page 122-127	25Sept.2013
5	Study of Forced Convection Heat Transfer from Horizontal and Vertical Tubes <b>Link:-</b> <a href="http://www.ijert.org">www.ijert.org</a>	International Journal of Engineering Research & Technology (IJERT)	India	Volume 2 Page 2011-2017	10Oct.2013
6	Experimental Study for Selection of Composite Materials Used in Thermal Insulation	ZANCO Journal of Pure and Applied Sciences	Erbil-Iraq	Volume 28 No.2 Page 9-21	22May2016
7	Comparison between Hand Calculation and HAP programs for estimating total cooling load for Buildings	ZANCO Journal of Pure and Applied Sciences	Erbil-Iraq	Volume 28 No.4 Page 90-96	10Oct2016
8	Experimental Study of the Performance of Solar Air Heating System	Polytechnic Journal:	Erbil-Iraq	Volume 2 No.1 Page 70-82	23June 2017
9	Inlet temperature effect on Electric Power Production from gas turbine power plants in Kurdistan-Iraq	ZANCO Journal of Pure and Applied Sciences	Erbil-Iraq	Volume 29 No.5 Page 153-160	28/12/2017
10	Analysis of energy savings for residential electrical and solar water heating systems	Case Studies in Thermal Engineering <a href="https://doi.org/10.1016/j.csite.2021.101347">https://doi.org/10.1016/j.csite.2021.101347</a>	Netherlands.	Volume 27, October 2021, 101347	October 2021
11	Effect of Collector Tilt Angle on the Performance of Solar Water Heating System in Erbil of Iraq	International Journal of Heat and Technology <a href="http://iieta.org/journals/ijht">http://iieta.org/journals/ijht</a>	Canada	Vol. 40, No. 5, pp. 1293-1298	October 2022