



C.V.

Full Name: - Diyah Kammel Shary AL-Thammer

College: Basrah Engineering Technical College

Present Address: Basrah - Al - Khaleej Quarter

Place & Date of Birth: Basrah - 24/2/1976

Marital Status: Married.

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Specialization: Electrical Engineering / Power and Machines

Scientific Degree: Doctor of Philosophy in Electrical Engineering

Position: Dean assistant of Postgraduates Studies

• **First, Education:**

Certification	University	College	Date
B.Sc.	University of Basrah	College of Engineering	1999
M.Sc.	University of Basrah	College of Engineering	2002
Ph.D.	University of Basrah	College of Engineering	2015

• **Second, Academic/Teaching Experience:**

Teaching in the Basrah Engineering Technical College:

A- Undergraduate Studies

- 1- D.C. MACHINES (SECOND STAGE)
- 2- POWER ENGINEERING (THIRD STAGE)
- 3- H.V. VOLTAGE ENGINEERING (FOURTH STAGE)
- 4- CONTROL ENGINEERING (FOURTH STAGE)
- 5- ADVANCED POWER ELECTRONICS & SPECIAL ELECTRICAL MACHINES (FOURTH STAGE).

B- Postgraduate Studies

- 1- Advanced Analysis of Electrical Machines (MSc in Electrical Engineering Technologies EET).
- 2- Reliability of Power System (MSc in Electrical Engineering Technologies EET).

Third, Administrative Position:

No.	Position	Workplace	From-To
1	Head of Energy and Fuel Engineering Ddepartment	Basrah Engineering Technical College	2005-2006
2	Head of Electrical Power Engineering Department	Basrah Engineering Technical College	2006-2007
3	Rapporteur of Electrical Power Engineering Department	Basrah Engineering Technical College	2015-2016 Form 1/9/2015- 1/12/2015
4	Dean Assistant of Administrative and Financial Affairs	Basrah Engineering Technical College	2016-2017 1/7/2017 to 1/9/2107

5	Dean Assistant of Scientific Affairs and Higher Studies	Basrah Engineering Technical College	2015-2016 (15/12/2015) 2016-2017 2017-2018 2018-2019
6	Dean Assistant of Postgraduates Studies	Southern Technical University	2019-2020

• **Fourth, Courses Taught:**

No.	Department	Subject	Year
1	Electrical Power Techniques Engineering Department	D.C. MACHINES	2004-2005 2016-2017
2	Electrical Power Techniques Engineering Department	POWER ENGINEERING	2004-2005
3	Electrical Power Techniques Engineering Department	H.V. VOLTAGE ENGINEERING	2004-2020
4	Electrical Power Techniques Engineering Department	CONTROL ENGINEERING	2009-2010
5	Electrical Power Techniques Engineering Department	ADVANCED POWER ELECTRONICS & SPECIAL MACHINES	2010-2017
6	Electrical Power Techniques Engineering Department	Advanced Analysis of Electrical Machines (MSc in Electrical Engineering Technologies EET)	2018-2019 2019-2020 2020-2021
7	Electrical Power Techniques Engineering Department	Reliability of Power System (MSc in Electrical	2018-2019 2019-2020 2020-2021

		Engineering Technologies EET)	
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• **Fifth, M.Sc. Thesis and Ph.D. Dissertation Titles:**

No.	Title	Department	Year
1	Design and Analysis of Constant Voltage DC-DC Zero- Current Quasi-Resonant Buck power converter	Electrical Engineering	2002 M.Sc. Thesis
2	Fuzzy Logic Controller and Faults Detection for Direct Torque Control Permanent Magnet Synchronous Motor	Electrical Engineering	2015 Ph.D. Dissertation

• **Sixth, Scientific Activities (Conferences, Seminars
Workshops):**

No.	Activity	Year	Place	Type of Participation
1	Conferences	2002	University of Basrah	Presenter
2	Conferences	2012	University of Basrah	Presenter
3	Seminars	2015	Basrah Engineering Technical College	Presenter
4	Seminars	2016	Basrah Engineering Technical College	Audience
5	Conferences	2016	Southern Technical University	Audience
6	Workshop	2016	Basrah Engineering Technical College	Participant
7	Reviewer	2017	The Second International Scientific Conference /Southern Technical	

			University From 1st- 2nd March, 2017	
8	Seminars	2017	Basrah Engineering Technical College	Audience
9	Seminars	2018	Basrah Engineering Technical College	Audience
10	Seminars	2018	Basrah Engineering Technical College	Audience
11	Reviewer	2018	The Third International Scientific Conference for Renewable Energy Applied Research/Southern Technical University From 14th – 15th March, 2018	
12	Seminars	2018	Basrah Engineering Technical College	Audience
13	Seminars	2018	Basrah Engineering Technical College	Audience
14	Seminars	2018	Basrah Engineering Technical College	Audience
15	Workshop	2018	Basrah Engineering Technical College	Audience
16	Seminars	2018	Basrah Engineering Technical College	Audience
17	Seminars	2018	Basrah Engineering Technical College	Audience
18	Seminars	2018	Basrah Engineering Technical College	Audience
19	Seminars	2018	Basrah Engineering Technical College	Audience

20	Seminars	2018	Basrah Engineering Technical College	Audience
21	Seminars	2018	Basrah Engineering Technical College	Audience
22	Seminars	2018	Basrah Engineering Technical College	Audience
23	Training courses	2018	Basrah Engineering Technical College	Participant
24	Training courses	2018	Basrah Engineering Technical College	Participant
25	Training courses	2018	Basrah Engineering Technical College	Participant
26	Training courses	2018	Basrah Engineering Technical College	Participant
27	Training courses	2018	Basrah Engineering Technical College	Participant
28	Training courses	2018	Basrah Engineering Technical College	Participant
29	Workshop	2018	Basrah Engineering Technical College	Audience
30	Workshop	2019	Basrah Engineering Technical College	Audience
31	Workshop	2019	Basrah Engineering Technical College	Audience
32	Workshop	2019	Basrah Engineering Technical College	Audience
33	Workshop	2019	Basrah Engineering Technical College	Audience
34	Workshop	2019	Basrah Engineering Technical College	Audience
35	Workshop	2019	Basrah Engineering Technical College	Audience
36	Seminars	2019	Basrah Engineering Technical College	Audience

37	Seminars	2019	Basrah Engineering Technical College	Audience
38	Seminars	2019	Basrah Engineering Technical College	Audience
39	Seminars	2019	Basrah Engineering Technical College	Audience
40	Seminars	2019	Basrah Engineering Technical College	Audience
41	Seminars	2019	Basrah Engineering Technical College	Audience
42	Reviewer	2019	The Fourth Postgraduate Engineering Conference PEC 2019 /Electrical Engineering Technical College From 16th – 17th December, 2019	
43	Reviewer	2020	The Fifth International Scientific Conference /Southern Technical University From 15th- 16th August, 2020	

• **Seventh, Publications:**

No.	Publication	Publisher	Year
1	Speed Control for Direct Torque Control Permanent Magnet Synchronous Motor	Asian Transactions on Engineering (ATE ISSN:2221-4267), Vol. 3, Issue 05, November 2013, pp.14-18.	2013
2	PI-Like Fuzzy Logic Direct Torque Control of Permanent Magnet Synchronous Motor	International Journal of Current Engineering and Technology (ISSN:2277-4106), (Global Impact Factor: 2.552), Vol. 4, No. 1, Feb. 2014, pp. 229-233	2014
3	Discrete Wavelet Transform and Artificial Neural Network Based Short Circuit Fault Diagnosis in Direct Torque Control Permanent Magnet Synchronous Motor	Open Journal of Advanced Engineering Techniques (OJAET ISSN:2336-0062), Vol. 2, No. 2, March 2014, pp.10-23.	2014
4	Bearings Fault Diagnosis in Direct Torque Control Permanent Magnet Synchronous Motor Based on Discrete Wavelet Transform and Artificial Neural Network	International Journal of Advances in Engineering & Technology (IJAET ISSN:22311963), (Global Impact Factor:1.07), Vol. 7, Issue 2, May 2014, pp. 341-351.	2014
5	Power Quality Improvement for Grid-connected Solar Plant Using Intelligent Decision Support System	The Third International Scientific Conference for Renewable Energy Applied Research/Southern Technical University From 14th – 15th March, 2018	2018
6	Implementation of a Fuzzy Logic Based FC-TCR (SVC) to Maintain Voltage Stability for Microgrid	Journal of Engineering and Applied Science Medwell Journals	2019
7	Improve Protection Concept of Transmission Line Based on Power Lines Carrier for Microgrid	IOP Conference Series: Materials Science and Engineer IOP Publishing	2019
8	New Monitoring and Control of Phase Sequence Using Fuzzy Logic with Wireless Sensor Network for Smart Grid	Chapter in the book (Energy Efficiency in Smart Grids), INTECHOPEN LIMITED PUBLISHER	2019

9	Directional beaming of surface plasmon polaritons from a metallic nanochannels with defected surface cavity	Microwave and Optical Technology Letters Wiley publisher	2020
10	Management of Microgrid System Based on Optimization Algorithm	The Fifth International Scientific Conference /Southern Technical University From 15th- 16th August, 2020	2020
11	Diagnosing of Bearing Faults in Induction Motor by Adopting DWT-Based Artificial Neural Network (ANN)	The Fifth International Scientific Conference /Southern Technical University From 15th- 16th August, 2020	2020
12	Atom Search Optimization Algorithm for Optimization of Power Generation in Microgrid	8th EUROPEAN CONFERENCE ON RENEWABLE ENERGY SYSTEMS ISTANBUL/TURKEY 24-25 August 2020	2020

• **Eighth, Membership of Scientific Communities:**

No.	Organization	Degree of membership	From-To	Activities
1	IEEE	Member	2016-2020	
2	Iraqi Engineers Union	Consultant	1999-2020	
3	Iraqi Teachers Union	Member	2006	
4	University Teachers Union	Member	2006	
5	Iraqi Academics Syndicate	Member	2018-2020	

• Ninth, Awards and Appreciation Letters:

No.		Donor	Year
1	Letters of appreciation	The dean of Basrah Engineering Technical College	2005
2	Letters of appreciation	The dean of Basrah Engineering Technical College	2006
3	Letters of appreciation	The dean of Basrah Engineering Technical College	2006
4	Letters of appreciation	The dean of Basrah Engineering Technical College	2013
5	Letters of appreciation	The dean of Basrah Engineering Technical College	2013
6	Letters of appreciation	The dean of Basrah Engineering Technical College	2014
7	Letters of appreciation	The dean of Basrah Engineering Technical College	2015
8	Letters of appreciation	The dean of Basrah Engineering Technical College	2016
9	Letters of appreciation	The dean of Basrah Engineering Technical College	2016
10	Letters of appreciation	The dean of Basrah Engineering Technical College	2016
11	Letters of appreciation	The dean of Basrah Engineering Technical College	2016
12	Letters of appreciation	The dean of Basrah Engineering Technical College	2016
13	Letters of appreciation	President of the Board Governors of Basrah	2016

14	Letters of appreciation	The dean of Basrah Engineering Technical College	2017
15	Letters of appreciation	The dean of Basrah Engineering Technical College	2017
16	Letters of appreciation	The dean of Basrah Engineering Technical College	2017
17	Letters of appreciation	The dean of Basrah Engineering Technical College	2017
18	Letters of appreciation	The dean of Basrah Engineering Technical College	2017
19	Letters of appreciation	The dean of Basrah Engineering Technical College	2017
20	Letters of appreciation	The dean of Basrah Engineering Technical College	2017
21	Letters of appreciation	The scientific assistant for president of Southern Technical University	2017
22	Letters of appreciation	The dean of Basrah Engineering Technical College	2018
23	Letters of appreciation	The dean of Basrah Engineering Technical College	2018
24	Letters of appreciation	The dean of Basrah Engineering Technical College	2018
25	Letters of appreciation	The dean of Basrah Engineering Technical College	2018
26	Letters of appreciation	The president of Southern Technical University	2018
27	Letters of appreciation	The president of Southern Technical University	2018
28	Letters of	The scientific assistant for president of	2018

	appreciation	Southern Technical University	
29	Letters of appreciation	The scientific assistant for president of Southern Technical University	2018
30	Letters of appreciation	The dean of Basrah Engineering Technical College	2018
31	Letters of appreciation	The scientific assistant for president of Southern Technical University	2018
32	Letters of appreciation	The dean of Basrah Engineering Technical College	2018
33	Letters of appreciation	The dean of Basrah Engineering Technical College	2019
34	Letters of appreciation	The scientific assistant for president of Southern Technical University	2019
35	Letters of appreciation	The dean of Basrah Engineering Technical College	2019
36	Letters of appreciation	The dean of Basrah Engineering Technical College	2019
37	Letters of appreciation	The president of Southern Technical University	2019
38	Letters of appreciation	The dean of Basrah Engineering Technical College	2019
39	Letters of appreciation	The president of Southern Technical University	2020
40	Letters of appreciation	The dean of Faculty of Postgraduates Studies	2020
41	Letters of appreciation	The dean of Faculty of Postgraduates Studies	2020
42	Letters of appreciation	The dean of Faculty of Postgraduates Studies	2020

43	Letters of appreciation	The dean of Faculty of Postgraduates Studies	2020
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- **Tenth, languages:**

- 1- Arabic
- 2- English

- **Eleventh, Interested Research Areas:**

- (1) **Electrical power engineering systems (Design, Analysis, Stability, Protection, and Control).**
- (2) **Electrical machines (Modeling, and Control).**
- (3) **Advanced power electronics (Design, Analysis, Modeling, and Control).**
- (4) **Smart grid (Design, Analysis, Modeling, and Control).**