

# Curriculum Vitae

**Mariem Yassa William Yassa**

lecturer in the department of mechatronics,  
Higher Institute of Engineering and Technology,  
New Minia, Egypt.

Personal Data	
Name	Mariem Yassa William
Sex	female
Date of Birth	27.12.1989
Nationality	Egyptian
Marital Status	Married
Position	<b>Doctor</b> in mechatronics, Higher Institute of Engineering and Technology, New Minia, Egypt.
Present address	<a href="mailto:Eng.mariemyassa@mhiet.edu.eg">Eng.mariemyassa@mhiet.edu.eg</a>
Education	
2007-2012	Mechatronics, Higher Institute for Engineering and Technology, New Minia, Egypt.
2012	B.Sc. in mechatronics, Higher Institute for Engineering and Technology, New Minia, Egypt. <b>(With Distinction honor, Ranked first among about 300 students).</b>
2016	Master's degree (M.Sc.), Faculty of Engineering, Minia University, Egypt. The Title of the thesis is <b>“ENERGY REGENERATIVE BRAKING SYSTEM OF HYBRID ELECTRIC VEHICLE”</b>
2017-2023	PHD. degree, Faculty of Engineering, Minia University, Egypt. The Title of the thesis is <b>“Developing a Virtual Prototyping of a Semi-Active Transfemoral Prosthetic Leg Using ADAMS”</b>
Training	
2009	Training in “Helwan Cement Italcementi Group”

<b>2010</b>	Training in “Gorka factor (MAN)” and “Helwan Cement Italcementi Group”
<b>2011</b>	Training in “ARAB ORGANIZATION FOR INDUSTRIALIZATION” and “SIRO MASAR”
<b>2012</b>	Training in “Egyptian Swiss Precision Industries 10th of Ramadan City”

### Training course

Digital transformation - scientific research innovations - examination systems and academic calendar – ENDNOTE - SPSS

### Scientific expertise

Teaching assistant at the Higher Institute of Engineering and Technology from 2013 to 2017. Assistant lecturer at the Higher Institute of Engineering and Technology from 2017 to 2023.

Lecturer at the Higher Institute of Engineering and Technology from 2023 to present.

### Academic and Professional Roles

**Supervised final-year graduation projects, offering academic and technical support to students throughout the academic year 2023- 2024 and 2024-2025.**

**Contributed to the academic assessment of graduation projects and field training for senior students during the academic year 2022–2023 and 2023- 2024.**

**Contributed to the academic review and discussion of Grade 11 student projects at the School of Science, Technology, Engineering, and Mathematics (STEM) for Gifted Students.**

### Publications

**Mariem Yassa**, Khalil Ali Ahmad, Jean Thomas, Emad Shehata, “Performance Analysis of Hybrid Electric Vehicles Using Batteries and Ultra-capacitors as a Hybrid Energy Storage System.”, 17th International Middle-East Power System Conference (MEPCON’15), 2015.

E. G. Shehata, **Mariem Y. William**, A. A. Hassan, Khalil Ibrahim, 2023, “Development and Control of Concise Semi-Active Ankle Prosthesis”, WSEAS Transactions on Systems and Control, Vol. 18, pp. 108-120, DOI: 10.37394/23203.2023.18.12.

**M. Y. William**, EG Shehata, AA Hassan, K Ibrahim, 2023, “The Analysis of the Concise Semi-Active Ankle Prosthetic by Using the ANSYS Program”, Journal of Optoelectronics Laser, Vol. 42 (1), pp. 12-23.

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**Mariam Y. William**, Khalil Ibrahim, A. A. Hassan, E. G. Shehata, 2023, "Development and control of a semi active prosthetic ankle", Journal of advanced engineering, Vol. 42, No. 2.

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E. G. Shehata, **Mariam Y. William**, A. A. Hassan, Khalil Ibrahim, 2025, "A novel interval Fuzzy Logic Controller Type-2-PI Controller for Concise Semi-Active Ankle-Foot Prosthetic", WSEAS TRANSACTIONS ON SYSTEMS AND CONTROL, Vol. 20, PP. 185: 197, DOI: 10.37394/23203.2025.20.21.

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#### Leisure activities

Music and reading

#### Reference

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<b>Prof. Jean Thomas</b>	Professor and Vice Dean of the College of Engineering for Environmental Affairs and Community Service, Beni Suef University Mobile: 002-01225263476 Mail: <a href="mailto:jhh_thomas@yahoo.com">jhh_thomas@yahoo.com</a>
<b>Prof. Dr. Ahmed Abd-Eltwab Hassan</b>	Professor Doctor at the Department of Electrical, Engineering, Faculty of Engineering, Minia University. Mobile: +20 100 266 6950 Mail: <a href="mailto:A.A.Hassan@yahoo.com">A.A.Hassan@yahoo.com</a>
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