

# Ahmed Gamal Mahmoud Abd Elaziz

PhD,



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## Personal Information

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**Date of Birth:** May, 18/1988

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**Marital Status:** Married.

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**Current Position:** *Lecturer at Electrical Engineering Department at El Minya Higher Institute for Engineering and Technology, Minia, Egypt MHIET since May. 2021 till now.*

<b>Education:</b> First University Degree 2005-2010	<ul style="list-style-type: none"><li>□ . Faculty of Engineering, Mania University, Mania, Egypt.</li><li>□ . B.Sc., Department of Electrical Engineering.</li><li>□ . Very Good with Degree of Honour (78.8%).<ul style="list-style-type: none"><li>▪ Rank.(3<sup>rd</sup>), Final year grade (Excellent)(85%).</li></ul></li></ul>
<b>Grade of project:</b>	<ul style="list-style-type: none"><li>□ . Excellent.</li><li>□ . Design of electric car with linear induction motor and control it with PLC.</li><li>□ . Detection the direction and speed of conveyer system with Siemens PLC.</li></ul>
<b>Second University Degree</b>	<ul style="list-style-type: none"><li>□ . M.Sc., Department of Electrical Engineering.</li><li>□ Title of Thesis: "<u>Efficient Methods for Improved of Transient State Performance of Doubly Fed Induction Motors</u>"</li></ul>
<b>Third University Degree</b>	<ul style="list-style-type: none"><li>□ PhD with specialization in Electrical Power and Machines Engineering</li><li>□ Title of Thesis: "<u>Analysis and Simulation of Vector Controlled Induction Motor Drives</u>"</li></ul>

<b>Computer Skills: and Courses</b>	<ul style="list-style-type: none"> <li>❑ . Microsoft office.</li> <li>❑ . MATLAB software program.</li> <li>❑ . Programmable logic controller "PLC" level 1 (Excellent) Jelecom training company.</li> <li>❑ . Programmable logic controller "PLC" advanced level (Excellent). Jelecom training company.</li> </ul>
<b>Training Experience:</b>	<ul style="list-style-type: none"> <li>❑ . Middle Egyptian company for transmission of electricity.</li> <li>❑ . Middle Egyptian company for distribution of electricity.</li> <li>❑ . Training in Mechanical Drawing in the Faculty of Engineering, Mania University.</li> <li>❑ . Training on the Workshop Machines in the Faculty of Engineering, Mania University.</li> </ul>
<b>Skills &amp; Interests:</b>	<ul style="list-style-type: none"> <li>❑ . Can Work Under Hard Conditions.</li> <li>❑ . Presentable and Have High Communication Skills .</li> <li>❑ . Have High Flexibility to New Concepts and Responsibilities.</li> <li>❑ . Collecting Data about Mechanical Engineering.</li> <li>❑ . Surfing the Net.</li> <li>❑ . Travelling.</li> <li>❑ . Reading.</li> </ul>
<b>References:</b>	<ul style="list-style-type: none"> <li>❑ Prof. Dr. Yehiea Sayed Mohammed, Tel. (0109) 4016050</li> <li>❑ Prof Ahmed Abd Elhameed , Tel. (0102) 1777925</li> </ul> <p>Department of Electrical Engineering , Minia University, Egypt.</p>
<b>Publications :</b>	<ul style="list-style-type: none"> <li>❑ Yehia S. Mohamed , A. M. El-Sawy, Adel A. Elbaseta, <u>Ahmed G. Mahmoud</u> "An Efficient Method For Optimum Starting Performance of a Doubly Fed Induction Motor Drive Without a Speed Transducer" Minia Journal of Engineering and Technology (MJET) , Minia University, Vol.34,No1,PP.306-January 2015.</li> <li>❑ A. G. M. A. Aziz, A. A. Z. Diab, and M. A. E. Sattar, "Speed sensorless vector controlled induction motor drive based stator and rotor resistances estimation taking core losses into account," in <i>Nineteenth International Middle East Power Systems Conference (MEPCON)</i>, pp. 1059-1068, 2017.</li> <li>❑ A. G. M. A. Aziz, H. Rez, and A. A. Z. Diab, "Robust Sensorless Model-Predictive Torque Flux Control for High-Performance Induction Motor Drives," <i>Mathematics</i>, vol. 9, no. 4, 2021.</li> </ul>

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|  | <ul style="list-style-type: none"><li>□ A. G. M. A. Aziz, Y. S. Mohammed, H. Ali, and A. A. Z. Diab, "Core Loss Compensation of Sensorless Direct-Field Oriented Induction Motor Drives Based on Adaptive Full-Order Observer," <i>International Journal of Engineering and Information Systems (IJEAIS)</i>, vol. 5, no. 2, pp. 82-92.</li><br/><li>□ A. G. M. A. Aziz, H. Ali, Y. S. Mohammed, and A. A. Z. Diab, "Investigation of the Performance of Model Predictive Control for Induction Motor Drives," <i>INFORMATION TECHNOLOGY IN INDUSTRY</i>, vol. 9, no. 1, pp. 1007-1015, 2021.</li></ul> |
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