

## Curriculum vitae

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| Name           | Amr Emad Eldin Refaat  |
| Address        | Abo Qurqus- El Minia   |
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| Mobile         | 01096353388  |
| E-mail         | <a href="mailto:engamremad89@mhiet.edu.eg">engamremad89@mhiet.edu.eg</a>   |
| Date of Birth  | 29/07/1989   |
| Nationality    | Egyptian   |
| Marital Status | Single   |
| Current job    | Lecture at El minia higher institute of engineering and technology (MHIET) |



### Education:

University Education: El-Minia High Institute for Engineering and Technology, El-Minia, Egypt

Ph.D. Mechanical Engineering, Minia University, 2020

M.Sc. Mechanical Engineering, Minia University, 2016

B.Sc., Mechanical Engineering (Branch Mechatronics), 2011

*Final year Grade:* excellent

*Graduation Grade:* excellent

*B.Sc. project:* cnc wood router , *rate: Excellent.*

### Published papers:

- 1- Ahmed A. Zaki Diab, Abdulsalam Ezzat, **Amr E. Rafaat**, et al " Optimal identification of model parameters for PVs using equilibrium, coot bird and artificial ecosystem optimisation algorithms " IET Renewable Power Generation , Volume 16, Issue 10 Pages: 1971-2190 , 27 July 2022.
- 2- Ahmed A. Zaki Diab,Ameena Al Sumaiti,A. A. Ezzat,**Amr E. Rafaat** ,et al “ New objective function of parameters extraction of photovoltaic modules for plummeting execution time complexity “ IET Renewable Power Generation , Volume 16, Issue 10 Pages: 1971-2190 , 07 May 2022.
- 3- W. W. Marzouk , Adel A. Elbaset, A.I.A. Galal, **Amr Emad** " An Improved Approach of Inverse Kinematics Solution for Robotics Arm with Five Degree of Freedom Using ANFIS" International Journal of Academic Engineering Research (IJAER),Vol. 2 Issue 11, November – 2018, Pages: 28-33
- 4- A. A. M. Hassan ,Adel A. Elbaset,A. T. Hasouna,**Amr Emad** " Design of a Solar Tracking System for Improving Solar Photovoltaic Efficiency " 17<sup>th</sup> International Middle East Power System Conference MEPCON'15 Mansoura University, December 15-17, 2015
- 5- A. A. M. Hassan ,Adel A. Elbaset,A. T. Hasouna,**Amr Emad** " Design of a Solar Tracking System for Improving Solar Photovoltaic Efficiency " Minia Journal of Engineering and Technology, (MJET) , Vol. 34, No 1, January 2015.

- 6- A. A. M. Hassan ,Adel A. Elbaset,A. T. Hasouna, **Amr Emad** , "Analytical Modelling , Simulation and Implementation of Solar Tracker" International Journal of Academic Engineering Research (IJAER) ISSN: 2000-001X Vol. 3 Issue 2, February – 2019, Pages: 1-14
- 7- W. W. Marzouk , Adel A. Elbaset, A.I.A. Galal, **Amr Emad** "MODELLING, ANALYSIS AND SIMULATION FOR A 6 AXIS ARM ROBOT BY PID CONTROLLER" International Journal of Mechanical and Production Engineering Research and Development (IJMPERD) ,ISSN (P): 2249-6890; ISSN (E): 2249-8001 Vol. 9, Issue 4, Aug 2019, 363-376

### *Computer skills:*

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**OS:**

- Windows OS

**Programs:**

- AutoCAD 2D and 3D 2004,2007 and 2022
- ICDL
- PLC
- MATLAB 2022a program
- Solidworks
- Robotics studio

**Language:**

- Arabic: Mother tongue.
- English: Very-Good written and spoke

### *Experiences & Training & Projects*

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| year | Achievement  |
|------|--|
| 2014 | Automatic submarine ROV 2015   |
| 2013 | Teaching course (MATLAB, microcontroller and robots)                     |
| 2011 | - Workshop at Siemens company for PLC step 7 400<br>- micro master drive |
| 2008 | PLC LG at jeelcom  |

### *Capabilities:*

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- Work as team member and alone
- Ready for more education and training.
- Ready to accept responsibility.
- Closer ,target and result oriented