



Curriculum Vitae

1. Personal Data:

- **Name:** Nada Mamdouh Hassan Mostafa
- **Position:** Lecturer
- **Department:** Electrical Power Engineering
- **Academic E-Mail:** nada.mamdouh@et5.edu.eg



2. Specialization:

- **General Specialization:** Electrical Power and Machines
- **Specific Field:** Power system, Renewable energy, & Microgrids control.

3. Academic Qualifications:

- **Ph.D. Degree of Philosophy in Power and Electrical Machines** 02/2022
Faculty of engineering, Ain Shams University
Thesis Title: "Centralized and Decentralized Security Assessment in Smart Grids."
- **M.S.C Degree in Power and Electrical Machines** 07/2017
Faculty of engineering, Ain Shams University
Thesis Title: "Microgrid Performance with Integrated Renewables Supported by Energy Storage Systems"
- **Bachelor of Power and Electrical Machines** 09/2011
Faculty of engineering, Ain Shams University University
Grade: very good

4. Publication

- R. A. Swief, N. M. Hassan, H. M. Hasanien, A. Y. Abdelaziz, and M. Z. Kamh, "Multi-Regional Optimal Power Flow Using Marine Predators Algorithm Considering Load and Generation Variability," IEEE Access, vol. 9, pp. 74600–74613, 2021, doi: 10.1109/ACCESS.2021.3081374.
- R. A. Swief, N. M. Hassan, H. M. Hasanien, A. Y. Abdelaziz, and M. Z. Kamh, "AC&DC optimal power flow incorporating centralized/decentralized multi-region grid control employing the whale algorithm," Ain Shams Eng. J., vol. 12, no. 2, pp. 1907–1922, 2021, doi: 10.1016/j.asej.2021.01.004.
- N. M. Hassan, R. A. Swief, M. Z. Kamh, H. M. Hasanien, and A. Youssef, "Centralized / Decentralized Optimal Load Flow Based on Tuned Whale Optimization Algorithm," Int. Conf. on Innovative Trends in Comm. and Comp. Eng. (ITCE), art. no. 9047821, pp. 352-358, 2020, doi: 10.1109/ITCE48509.2020.9047821.
- N. M. Hassan, R. A. Swief, M. Z. Kamh, H. M. Hasanien, and A. Youssef, "Toward Centralized/Decentralized Controlled Power Flow Applying Whale Versus Genetic



Optimization Algorithms,” Int. J. Recent Technol. Eng., vol. 8, no. 4, pp. 12924–12931, 2019, doi: 10.35940/ijrte.d4417.118419.

- **Nada Mamdouh, R. A. Swief, M. A. L. Badr, "Application of DSTATCOM coupled with FESS for Power Quality Enhancement and Fault Mitigation", First International Conference New Trends for Sustainable Energy, Pharos University, Alexandria, Egypt, 1-3 October, 2016.**
- **Nada Mamdouh, R. A. Swief, M. A. Badr, " Power Quality Enhancement for Wind Farms using a DSTATCOM coupled with a Flywheel Energy Storage System", 17th International Middle-East Power System Conference (MEPCON'15) Mansoura University, Egypt, December 15-17, 2015.**

1. Working Experiences

- **Lecturer** **2022:Till Now**
Higher Institute of Engineering and Technology, Fifth Settlement, New Cairo
- **Teaching Assistant** **2017:2022**
Higher Institute of Engineering and Technology, Fifth Settlement, New Cairo
- **Demonstrate** **2012:2017**
Higher Institute of Engineering and Technology, Fifth Settlement, New Cairo